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Road Safety

MARKS OF TRUST



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

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FROM THE DESK OF THE
DIRECTOR GENERAL

Roads and transport have become an integral part of the modern world, with most of us using roads every day. Whatever be the mode of transport we use, there is a risk of life involved. Every year, road accidents result in loss of lives and serious injuries to multitudes of people.

The speed of the vehicle, defects in the vehicle, drivers' behaviour on the road and condition of roads all play a major role in the occurrence of accidents. In most of the cases, crashes occur either due to carelessness or due to lack of road safety awareness.

The awareness and implementation of Road Safety Standards can remarkably reduce the risk of injuries and loss of life. For example, wearing an ISI helmet, securely fastened, can considerably reduce the impact of collision at the time of an accident and ultimately save the life of the rider.

This issue highlights the importance of Road Safety Standards in mitigating risk of lives during accidents. We are sure that you will find this issue informative and we look forward to your feedback at dg@bis.gov.in.

Smt. Surina Rajan
Director General, BIS

सड़कों और परिवहन आधुनिक दुनिया का एक अभिन्न हिस्सा बन गए हैं। हम में से अधिकतर हर दिन सड़कों का उपयोग करते हैं। हम जो भी परिवहन का उपयोग करते हैं, उसमें जीवन का जोखिम होता है। हर साल सड़क दुर्घटनाओं में लोगों की जानें चली जाती हैं और गंभीर चोटें आती हैं।

वाहन की गति, वाहन में दोष, सड़क पर ड्राइवों का व्यवहार और सड़कों की स्थिति दुर्घटनाओं की घटना में प्रमुख भूमिका निभाते हैं। ज्यादातर मामलों में, लापरवाही के कारण या सड़क सुरक्षा जागरूकता की कमी के कारण दुर्घटनाएं होती हैं।

सड़क सुरक्षा मानकों के बारे में जागरूकता और कार्यान्वयन उल्लेखनीय रूप से चोखे और जीवन के नुकसान को कम कर सकते हैं। उदाहरण के लिए, आईएसआई हेलमेट पहनना, दुर्घटना के समय टकराव के प्रभाव को काफी कम कर सकता है और अंततः सवार की जान बचा सकता है।

यह अंक दुर्घटनाओं के दौरान जीवन के जोखिम को कम करने में सड़क सुरक्षा मानकों के महत्व पर प्रकाश डालता है। हमें यकीन है कि आप इस अंक को जानकारीपूर्ण पाएंगे और dg@bis.gov.in पर आपकी प्रतिक्रिया की प्रतीक्षा रहेगी।

श्रीमती सुरीना राजन
महानिदेशक, बी आई एस

CONTENTS

DECEMBER 2018–JANUARY 2019



FEATURES

10 DRIVE DOWN DESTINATIONS

Keep these destinations in mind for your next road trip

16 ROAD SAFETY

We trace the steps being taken to enhance road safety in India

24 STANDARDS ON HELMETS

For those riding two-wheelers, paying heed to the standards on helmets is imperative

NEWS

04 INTERNATIONAL NEWS

Standards are always being added and revised—these are the ones to be aware of

46 CONSUMER NEWS

News updates for the concerned consumers

DEPARTMENTS

08 BIS—THE GLORIOUS PAST

Trace the evolution of the BIS through these rare images

30 NEW STANDARDS

The latest standards established by the BIS, as well as additions and revisions

44 LIBRARY UPDATES

Here we list the most recent additions to the BIS Library, a repository of knowledge

विषय सूची

दिसंबर 2018–जनवरी 2019

उल्लेख

10 गंतव्य स्थानों पर ड्राइव करें

अपनी अगली सड़क यात्रा के लिए इन गंतव्यों को ध्यान में रखें

16 सड़क सुरक्षा

हमारे द्वारा भारत में सड़क सुरक्षा बढ़ाने के लिए उठाए जा रहे कदम

24 हेलमेट पर मानक

दोपहिया वाहन चलाने वालों के लिए, हेलमेट पर मानकों का ध्यान रखना अत्यावश्यक है

समाचार

04 अंतरराष्ट्रीय समाचार

मानकों को हमेशा जोड़ा जाता है और संशोधित किया जाता है - ये वे हैं जिनके बारे में हमें जागरुक होना चाहिए

46 उपभोक्ता समाचार

संबंधित उपभोक्ताओं के लिए समाचार अद्यतन

विभाग

08 बी आई एस का गौरवशाली अतीत

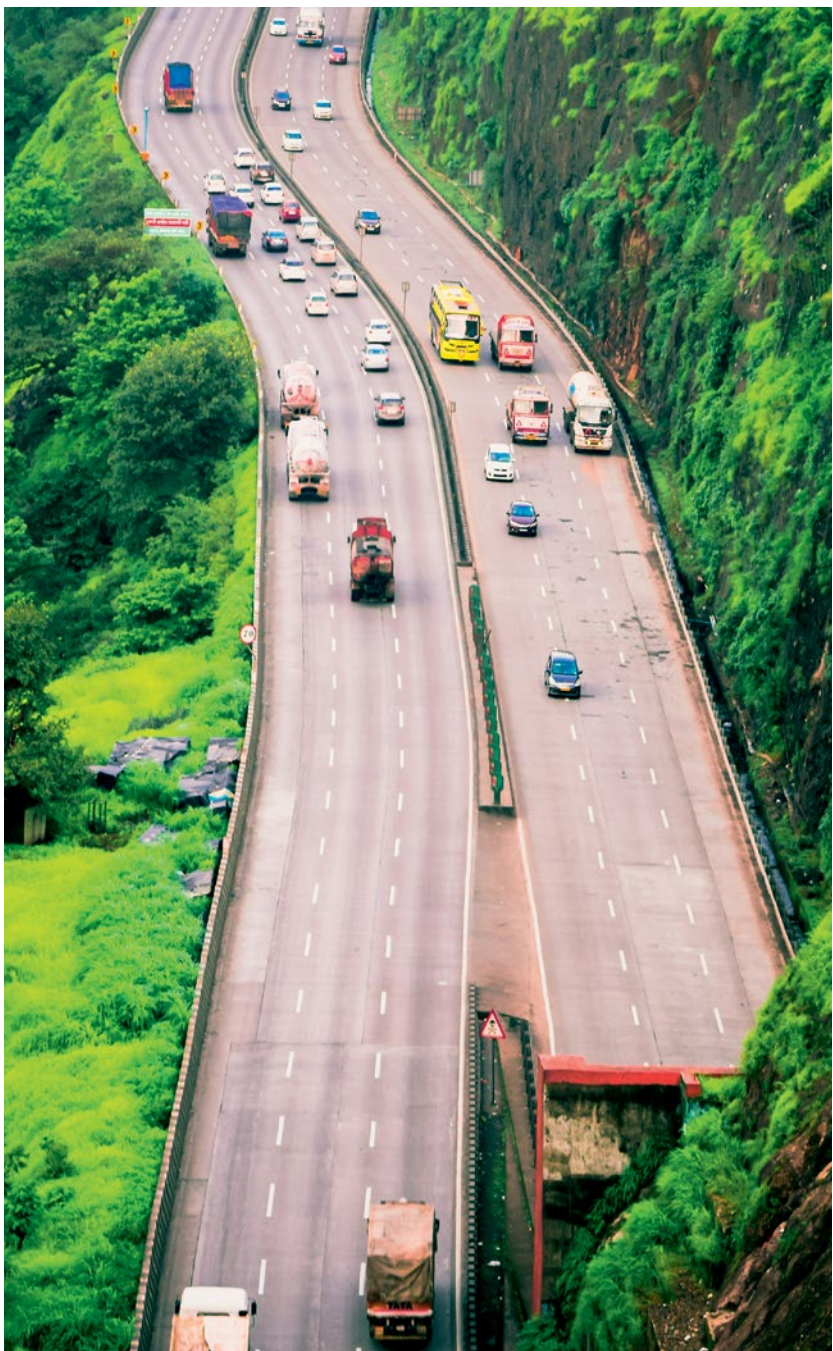
इन दुर्लभ चित्रों के माध्यम से बी आई एस के विकास का पता लगाएँ

30 नए मानक

बी आई एस द्वारा स्थापित नवीनतम मानक, साथ ही परिवर्तन और संशोधन

44 पुस्तकालय में परिवर्धन

हाल ही में बी आई एस लाइब्रेरी में शामिल की गई किताबें, जो ज्ञान का भंडार हैं



KEEPING SAFE ON THE ROADS

SERIES OF STANDARDS FOR
VEHICLE ELECTRONICS FUNCTIONAL
SAFETY JUST UPDATED

Cars have come a long way from the days of internal combustion engines, which were used a century ago, or even manual wind-down windows. These days, it seems, everything is done by the touch of a button or through a simple voice command. Electronics are behind a mind-boggling array of vehicle functionalities and the technology just keeps on advancing.

Published in 12 individual parts, ISO 26262, Road vehicles – Functional safety, has just been updated to keep abreast of these new and rapidly evolving technologies, and be relevant to even more applications

Published in 12 individual parts, ISO 26262, Road vehicles – Functional safety, has just been updated to keep abreast of these new and rapidly evolving technologies, and be relevant to even more applications.

Mr Susumu Akiyama, Chair of the ISO subcommittee that developed the standards, said functional safety for electrical and electronic systems in road vehicles is essential for overall quality and product safety, as well as

With powerful technology comes bigger risks. The ISO 26262 series of standards helps mitigate those risks by providing guidelines and requirements for the functional safety of electrical and electronic systems in today's vehicles.



for the manufacturer's reputation.

Changes to the newly revised versions include the addition of important specific requirements for semi-conductors as well as new requirements for motorcycles.

Functional safety features form an integral part of each automotive product's development phase, from specification and design to implementation, integration, verification, validation, and ultimately production release. ISO 26262 defines functional safety for all automotive electronic and electrical safety-related systems, covering their entire life cycle, including the development, production, operation, service and decommissioning.

SOFTWARE UPDATE

INJECTING QUALITY INTO SOFTWARE DEVELOPMENT



ISO/IEC/IEEE 90003, Software engineering – Guidelines for the application of ISO 9001:2015 to computer software, is designed as a checklist for the development, supply and maintenance of computer software. The recently updated version combines the proven benefits of ISO 9001 with some of the most important supporting documents of software engineering, allowing an organization to benefit from the

best international practice to improve quality at every step of the life cycle. This includes everything from the supply, acquisition, operation and maintenance, to the circular process of continuous improvement.

Developed in conjunction with the International Electrotechnical Commission (IEC) and the Institute of Electrical and Electronics Engineers (IEEE), the standard was recently revised to align with the new version of ISO 9001 (published in 2015), which has new concepts relevant to current software developments.

Dr Sundeep Oberoi, Chair of the joint ISO and IEC subcommittee that developed the standard, said ISO/IEC/IEEE 90003 is important for the industry as it provides a much-needed interpretation of ISO 9001 in a language appropriate for software development

ISO/IEC/IEEE 90003 is important for the industry as it provides a much-needed interpretation of ISO 9001 in a language appropriate to software development

ISO AT COP24

INTERNATIONAL STANDARDS AS
ESSENTIAL TOOLS FOR CLIMATE CONTROL

ISO is holding a side event as part of the 24th Conference of the Parties of the United Nations Framework Convention on Climate Change (UNFCCC COP24). It will take place in Katowice, Poland, from December 2 to 14, 2018.

The opportunities that International Standards bring to the global challenge of climate change will be discussed, such as mainstreaming climate action, supporting measurement and monitoring techniques, facilitating technology and non-technology innovation, and promoting behavioural changes and climate change adaptation. ISO standards can also contribute to the progress of the Sendai Framework for Disaster Risk Reduction that sets the pace for disaster mitigation by 2030.

Nick Blyth, Vice Chair of the ISO TF7, said that International Standards are fundamental in helping organizations advance climate change actions, whether they be management system standards that shape organizational culture and processes or new ISO technical standards.

The latest ISO standards and guidance related to climate change adaptation and greenhouse gas emissions will be presented and discussed, including ISO 14064-1 for quantifying greenhouse gas emissions and ISO 14067 for quantifying the carbon footprint of products. The event will also introduce new standards in development for adaptation to climate change (ISO 14090); impacts, vulnerability and risk assessment (ISO 14091); and green bonds for environmental performance of projects and assets (ISO 14030). In addition, the ISO mapping exercise carried out in 2018, which links hundreds of ISO International Standards to the objectives of the United Nations Sustainable Development Goals, will be profiled.

International Standards are fundamental in helping organizations advance climate change actions, be it management system standards that shape organizational culture or new ISO technical standards



ISO AND WORLD BANK TO BOOST TRADE

ISO PARTNERS WITH THE
WORLD BANK GROUP TO HELP
COUNTRIES FACILITATE TRADE

The partnership arrangement was made at a border agency cooperation workshop that took place from November 14 to 16, 2018, in Cape Town, South Africa, where ISO was invited to present on "Standards and trade facilitation".

The event brought together senior officials from 12 African countries involved in the implementation of the TFA to share experiences and learn from each other. It was organized by the WBG, the WTO Secretariat, the International Plant Protection Convention (IPPC) Secretariat, the World Organization for Animal Health (OIE), the Food and Agriculture Organization (FAO) and the World Customs Organization (WCO).

The WBG's Trade Facilitation Support Program actively supports developing countries in aligning their trade facilitation laws, procedures and processes to enable implementation of the TFA.

In most developing countries, the ISO member, or national standards body (NSB), is the national enquiry point as required by the WTO Agreement on Technical Barriers to Trade, and may also be a provider of conformity assessment services.

ENHANCING ORGANIZATIONAL PERFORMANCE

NEW ISO INTERNATIONAL STANDARD FOR REPORTING HUMAN CAPITAL

It is well known that effective human resources (HR) strategies have a positive impact on organizational performance. With workforce costs making up to 70% of an organization's expenditure, it is important to get the strategy right.

There are many different HR management systems and processes aimed at maximizing the

ISO 30414 is the first International Standard that allows an organization to get a clear view of the actual contribution of its human capital

return on investment in staff, but they vary from business to business and country to country, making it difficult to accurately benchmark and be internationally relevant. ISO 30414, Human resource management – Guidelines for internal and external human capital reporting, is the first International Standard that allows an organization to get a clear view of the actual contribution of its human capital. Applicable to enterprises of all types and sizes, it provides guidelines on core HR areas such as organizational culture, recruitment and turnover, productivity, health and safety, and leadership.

Dr Ron McKinley, Chair of the ISO technical



committee that developed the standard, said ISO 30414 will enable organizations to gain a better understanding of their impact on staff and help maximize employee contribution for long-term success. Governments and policy makers also stand to benefit, said McKinley, by acquiring greater knowledge of human capital development in their country's organizations in relation to others, which is important for political labour market initiatives.

ENSURING SAFETY

LIGHTERS JUST GOT SAFER, THANKS TO REVISED ISO STANDARDS



Whether used for lighting a candle, or getting a bonfire underway, lighters remain one of the most popular and useful gadgets of all time. And with several million lighters sold every day, the need for standards in this area is clear.

The common element in both pocket and utility-types of lighter is a plastic reservoir filled with pressurized flammable

gas. This presents a very real danger if not designed and manufactured properly. The risk of accidents associated with non-standardized lighters is backed up by some shocking statistics. In Europe alone, lighters cause almost 30,000 severe accidents each year. Beyond the human costs, this carries an economic impact of around EUR one billion.

ISO 9994 sets the basic safety requirements for pocket lighters, specifically maximum flame height, drop resistance, resistance to high temperatures, to internal pressure and to continuous burning. It was first introduced in 1989, and in common with all International Standards, has been reviewed and updated to continually keep

pace with the latest technology. ISO 22702 first appeared in 2003 to cover longer-reach lighters commonly known as utility lighters, grill lighters, fireplace lighters, lighting rods or gas matches

ISO 22702 first appeared in 2003 to cover longer-reach lighters, known as utility lighters, grill lighters, fireplace lighters, lighting rods or gas matches

PRICING IT RIGHT

WELL DEFINED UNIT PRICING SYSTEMS AND TRANSPARENCY OF PRICING INFORMATION

Unit pricing – or comparative pricing – is a way for retailers to show the price of a commodity in relation to a standard unit of measure, such as the kilogramme or litre. For example, for a 500 ml carton of milk offered at USD 1.95, the unit price would be USD 3.90 per litre.

However, this is not always consistent across retailers or products, creating an added layer of perplexity for shoppers and doing little for consumer trust. ISO 21041, Guidance on unit pricing, aims to clear up the confusion by defining unit pricing systems and enhancing transparency of pricing information.

In a recent study conducted by the Queensland University of Technology, Australia, consumers reported a significantly greater ability to process price information and higher confidence in their price judgements when unit prices are presented consistently within stores. Additionally, the research indicated that standardized unit price presentation was associated with more favourable attitudes toward retailers. John Furbank, Chair of the ISO project committee that developed the standard, said that by simplifying the price comparisons of products, ISO 21041 will benefit retailers and consumers alike. "Shopping has never been more complex, with not only a greater choice but a wider range of packaging, in terms of weights and sizes," he said.



SMART MANUFACTURING

NEW ISO GUIDANCE TO REDUCE THE RISKS OF CYBER-ATTACKS ON MACHINERY


"Smart" manufacturing, or that which takes advantage of Internet and digital technology, allows for seamless production and integration across the entire value chain. It also allows for parameters – such as speed, force and temperature – to be controlled remotely. The benefits are many, including being able to track performance and usage and improved efficiencies, but it also exacerbates the risk of IT security threats.

Increasing the speed or force of a machine to dangerous levels, or lowering cooking temperatures to result in food contamination, are just some examples of where cyber-attacks can not only disrupt manufacturing but pose serious risks to us. Happily, a new ISO technical report (TR) has just been published to help manufacturers prepare for and mitigate these risks.

ISO/TR 22100-4, Safety of machinery – Relationship with ISO 12100 – Part 4: Guidance to machinery manufacturers for consideration of related IT-security (cyber security) aspects, is designed to help machinery manufacturers identify and address IT security threats that can impact on the safety of their product. It complements ISO's flagship standard for machine safety, ISO 12100, Safety of machinery – General principles for design – Risk assessment and risk reduction, which lays down the fundamentals for risk assessment, hazard analysis and documentation requirements.

Otto Görnemann, Chair of the ISO technical committee in charge of the technical report, said machine safety and cyber security differ greatly when it comes to their objectives, methods and measures, yet in manufacturing they are inextricably linked.

"ISO/TR 22100-4 will help machine manufacturers integrate the relationship between cyber security and machine safety," he said.

"It will thus cover aspects such as the types of components that could be potential targets for cyber security attacks, the design of the machine to minimize vulnerability to such attacks and information for the machine operator on possible threats." 

News credits: ISO

BIS—THE GLORIOUS PAST



1



4



2



5



3



6

1 Fifth meeting of BDC-18 on Air-Conditioning & Refrigerating Sectional Committee held on September 12, 1956, in Bombay under the chairmanship of Shri Chandrashekhar

2 Meeting of BDC-2 Cement and Concrete Sectional Committee held on September 19, 1956, in Bombay

3 An array of products displayed under ISI Mark for distinguished audience (1956)

4 Structural Steel Sectional Committee Meeting (BDC-7) held on 13th Dec, 1956, in New Delhi under the chairmanship of Shri Jehangir Ghandy

5 First meeting of Calcutta Advisory Committee Meeting held at the Indian Foundry Association, Calcutta

6 The International Society of Sugarcane Technologists visited the ISI on January 31, 1956 (IMP)



7



8



9



10

7 Second meeting of Indian Standards Institution (ISI) Sectional Committee for Weights and Measures EDC-41 held on September 31, 1956, in Bombay

8 The Agriculture and Food Products Division Council of Indian Standards Institution (ISI) was inaugurated by Shri Ajit Prasad Jain, Minister for Food & Agriculture, Government of India, at the ISI building in Delhi. Dr Lal C. Verman, Director, ISI, is also seen on the dias

9 Inauguration and meeting of the Structural and Metal Division Council (SMDC) on October 26, 1956

10 Eighth meeting of Lubricant Sectional Committee at the Indian Institute of Science, Bangalore, held in 1956

BY ROSHUN POVAIAH

India is a land of plenty. We have scenic landscapes, gurgling waterfalls, azure seas and picture perfect hill towns that mesmerise travellers. The country can be called a paradise for lovers of heritage and nature. As the winter chill sets in, brace yourself for a fun-filled ride through the spellbinding sand dunes of Thar Desert to Longewala in Rajasthan, to the delightful shores of Goa via Mangalore, with its mix of highways: winding roads across the Western Ghats followed by a scenic drive along the coast. And, if that's not enough, head to Barot Valley along the Uhl river in Himachal Pradesh, or to Pench National Park in Madhya Pradesh, for a tryst with nature.

10 | STANDARDS INDIA | DEC 2018–JAN 2019



01

CHASING SAND DUNES

Longewala, a small outpost in Rajasthan, became famous for the Battle of Longewala in 1971, on which the Bollywood movie *Border* is based. The distance from Delhi to Longewala is nearly 900 km, but it's best to space out the journey over a couple of days with a stopover at Bikaner.

Since you are heading into the heart of the Thar desert, it is a trip that those with 4x4 SUVs would particularly enjoy, since you can do a fair bit of exploring off-route while indulging in some dune bashing too. If you have a four-day weekend, set out early from Delhi towards Bikaner. Set a course that takes you via Rohtak to Bhiwani, continuing to Churu and then, heading on to Bikaner. You will cross Pilani en route. Continue on the road to Chirawa, Jhunjhunu and Churu to make it to Bikaner for the night.

Set off early for Longewala the next day, taking the Jaisalmer road from Bikaner; just 20 km out of town, turn right after Gajner and head west for about 40 km. You will see the Indira Gandhi Canal; turn left before it and follow the road that runs along the canal all the way to Ramgarh. Then turn right for the last 60 km to Longewala. You could drive up to Tanot to visit the famous 'bomb temple', and also indulge in some off-roading on the sand tracks flanking the main road leading to Tanot. Head back to Jaisalmer for the night if you want comfortable accommodation—it's a distance of about 130 km—after watching the sun set behind the dunes at Longewala.



TIPS

- Mobile coverage is fairly good all along, except for some patches near Jaisalmer.
- Fuel up at Bikaner as petrol pumps may be hard to find in and around small towns.
- Carry plenty of water and some food as the route is entirely devoid of people near Longewala.
- Carry an air pump to deflate your tyres for sand driving and inflate later.

02

COASTAL DRIVE

If you have a four-day weekend and want to get away from the hustle and bustle of Bengaluru on a scenic road trip, it's a great idea to head off to Goa. The route that you will actually enjoy is the one that goes via Mangalore, with its mix of highways, winding roads across the Western Ghats, followed by a scenic drive along the coast to Goa.

The drive is best spread over two days with a stopover at Mangalore, covering a total distance more than 700 km. Leave Bengaluru by getting on to NH 48 and then turn off on to NH 75. The traffic thins out and the road is fantastic all the way till Hassan, though two-laned, but still well surfaced. Upon reaching Ballupet, the road begins to climb into the Western Ghats towards Sakleshpur; the countryside changes from open fields to lush forest. After Sakleshpur pass through the Shiradi Ghat, and Bantwal, cross the Netrawati river, before heading down to Mangalore.

From Mangalore, the road runs along the coast, with the sea visible in stretches, while crossing many river bridges on the way to Goa. At Maravanthe, the highway actually traverses the beach, with the Kolluru river on the right and the sea to the left. It climbs up to Karwar, from where you get brilliant views of the sea and then descends to Canacona, the entry to Goa. Pick the town of your choice in Goa—all of them are great. A stopover at Mangalore is recommended followed by a leisurely start to Goa. That way, you get to soak in the sights and truly enjoy the drive.

TIPS

- Opt for a sedan on this trip—it will handle the winding roads and highways better.
- Mobile connectivity is good throughout the route.
- Leave Bengaluru early to avoid traffic jams.
- Be cautious during the monsoon on the Sakleshpur Ghat road, landslides are common.





03

SCENIC MOUNTAIN DRIVE

Barot Valley, along the Uhl river in Himachal Pradesh, is one of the lesser explored destinations in the state. It is quite close to Bir-Billing, Palampur and Dharamsala. The place is ideal for a three-day weekend getaway from Delhi.

The roads are good almost all through, so any decent sedan or hatchback should be able to do this trip, but the smaller it is, the better, since the roads near Barot are extremely narrow. Since the first half of the drive is along NH 1, it is fast, flat and smooth. Barot is about 560 km by road and the drive takes about 11 hours. The best course is to head past Mohali on the regular Mandi road, but instead of going towards Bilaspur, carry on straight towards Amb after crossing Kiratpur Sahib and Rupnagar. After you cross Anandpur Sahib, you will pass the Nangal Dam. Carry on straight till you reach Amb.

Head towards Nadaun from Amb. Then take the road towards Sujanpur Tira, which marks the beginning of the climb into the hills. You will keep criss-crossing several tributaries of the Beas river. Once you've passed Sujanpur Tira, head towards Kasoti, looking for signage for Palampur. Bypass Palampur to the right, following the route to Joginder Nagar. You should be close to Bir-Billing at this point, which is famous as a paragliding spot.

About 15 km after Joginder Nagar is Ghatasani from where you take a sharp left towards Barot. Once you reach Jatingri, the road will descend sharply down to the Uhl river. There are some fantastic waterfalls on the way. A half-hour's drive will get you to Barot with some good campsites along the river bank, surrounded by pine forests. With Barot as a base, you could drive up to Dayanapark or Bir for the day.



TIPS

- Start early so that the highway portion of the drive can be covered quickly.
- Do not overtake on blind curves; keep a steady pace and enjoy the drive.
- Mobile coverage is good throughout, except for some patches. So connectivity won't be an issue here.
- Carry some necessary supplies in the car as the road to Barot could get cut off due to landslides.
- Barot is located in a cul-de-sac, so going to other places involves back-tracking about 20 km.

04

NATURE CALLING

The drive from Delhi to Pench National Park in Madhya Pradesh may seem like a pretty long one, given the fact that it is a little over 1,000 km, but since the highways on this route are awesome, you can do the drive in about 14 hours. It is doable within a day.

Since most of the trip is on some smooth expressways and highways, a good fast sedan is ideal for this trip, preferably one with cruise control, since there are long, straight sections of the highway that necessitate it. Exiting Delhi involves taking the Yamuna Expressway that leads to Agra, a distance that, if one starts early enough, takes two and a half hours only. In Agra, take the road that leads past the Taj Mahal to join the highway to Gwalior.

Just short of Jhansi, before reaching the airport, turn right on the highway that leads to Shivpuri and about 6 km later, bear left on to the highway that points to Lalitpur and Sagar. Signboards pointing to NH 44, AH 43 and NH 26 will ensure you are on the right path. This section of the road has fantastic views of rolling countryside on either side.

The road bypasses major towns on the way including Lalitpur, Sagar and Narsinghpur, before joining the highway from Jabalpur at Lakhnadon. The forests start past Seoni and the vegetation changes from rolling shrubs to tall teak and sal trees. Just a kilometre before the Maharashtra-Madhya Pradesh border, you will see the entry gate to Pench. Take this road and check in at the forest office. There are several resorts within the sanctuary area where you can stay. Park your car and book a wildlife safari in the Forest Department vehicle for the next day. You might just get lucky—tiger sightings in Pench have increased with the growth in tiger population in recent years. 🐅

—The writer is an automobile enthusiast and a media professional



TIPS

- If you start by 3 am from Delhi, you can reach Pench by 7 pm the same day.
- If you need to break journey, do it at Jhansi.
- Watch out for stray cattle on the highway and avoid overspeeding despite the temptation.
- Book your tiger safari online before starting your journey.



ROAD SAFETY

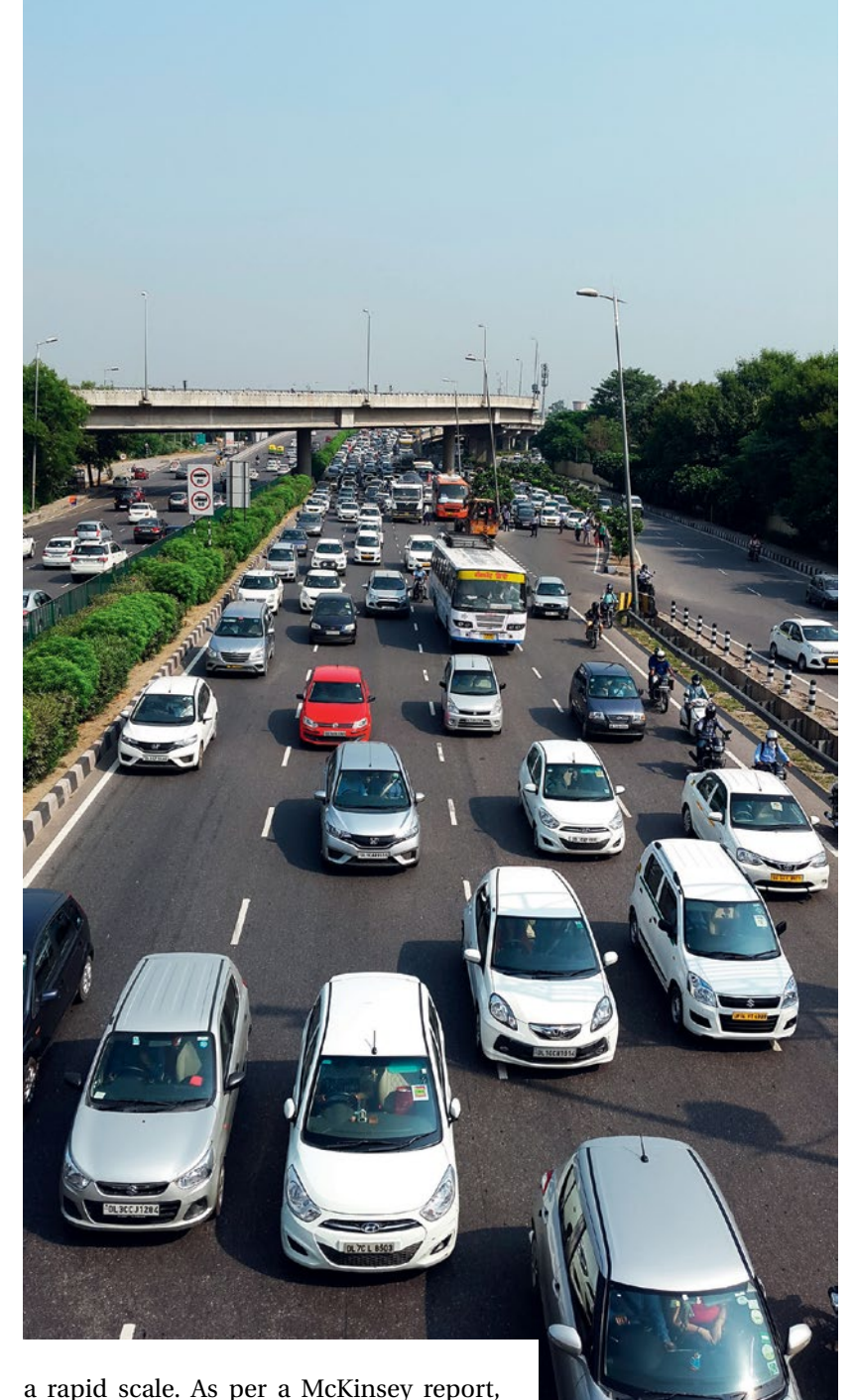
The rapid development of rural and urban infrastructures makes road traffic safety an issue of vital concern. With the United Nations having announced 2011-2020 as the Decade of Action for Road Safety, it is significant to understand that road safety has now gained more attention than ever before in India

BY GAURAV RAJ AND TUSHIT KAMAL



In today's world, transport has become an integral part of our daily life. The present transport system is trying to minimize the congestion and foster faster and cheaper transportation options, but, on the other hand, it has increased the risk one runs on the road. Amidst the rapid development of rural and urban areas in India, road traffic safety has become a critical subject, and its negligence has been a topic of discussion for a while now.

With the rising scale of India's automobile demand, road safety is of utmost importance. Over 30 years ago, the Indian automobile market began to show signs of future potential, growing at



a rapid scale. As per a McKinsey report, India is set to emerge as the world's third-largest passenger vehicle market in the next three years. By 2040, the number of vehicles per 1,000 inhabitants is expected to increase almost nine times. The rapid growth of the automobile sector has given birth to a deep concern for road safety, and is pushing authorities to seek solutions to minimize accidents and losses.

Spanning over five million kilometers, India has the second largest road network in the world. A heterogeneous traffic mix that includes high-speed vehicles sharing the road with vulnerable users, unsafe road infrastructure and vehicles that are in poor condition, all contribute to the high fatality rates seen on India's roads. As per a Ministry of Road Transport & Highways (MoRTH) report, the total number of road accidents increased by 2.5% from 4,89,400 in 2014 to 5,01,423 in 2015. The total number of persons killed in road accidents increased



by 4.6% from 1,39,671 in 2014 to 1,46,133 in 2015. In 2016, the report revealed that there were 4,80,652 road accidents that claimed 1,50,785 lives. Further, an estimated 3% of the GDP of the country is lost because of road traffic accidents. These reports raised alarming questions on the road safety measures being taken on both personal and community levels.

The MoRTH report mentioned that India's National Highways constitute around 2% of the country's road network and carry 40% of the traffic, which accounted for 29.6% of total road accidents and 34.5% of the fatalities. In 2016, 68.6% of the total fatalities were caused by people between 18-45 years of age. This situation is quite serious and questions many aspects of road safety awareness and law enforcements.

A concern for road safety has been raised globally. Statistics show that more than a million people die due to road accidents every year and if we do not do anything about it, by 2020, this figure

will double. Thus, the United Nations has announced 2011-2020 as the 'Decade of Action for Road Safety' with an aim to reduce fatalities by 50%. Five pillars have been identified by the UN to achieve this target: road safety management, safer roads and mobility, safer road users, post-crash response and safer vehicles.

There is a need to understand that road safety has now gained more attention than ever before in India. Many developed countries have witnessed a drop in road accidents by adopting a multi-prolonged approach to road safety that encompasses road design, traffic management, producing safer vehicles by adopting top-notch standards, law enforcement, etc. The Government of India is putting necessary resources, programs and legislation to improve the road safety scenario in the country.

CHALLENGES IN INDIA

Transport and its infrastructure have impacted our lives in many ways. The ever-growing population and urbanization have put immense stress on road traffic management and its infrastructure. The development and expansion of roads in India have ensured the connectivity among

rural and urban areas. However, this has also raised the road traffic safety issues and challenges. Like other developing countries, India is also facing challenges in road safety and seeking solutions for changing transport scenario.

Use of personalized vehicles over public transport: Sustained economic growth has led to rapidly increasing motorized vehicles in India. There has been a continuous increase in the number of registered motor vehicle in India over the years. As per a MoRTH report, during the period 2005 to 2015, the highest CAGR was recorded by cars, jeeps and taxis (10.7%), followed by two-wheelers (10.1%), goods vehicles (8.8%) and buses (8.2%). Two-wheelers showed the highest share in the vehicular population (73.5%) followed by cars, jeeps and taxis (13.6%), other vehicles (7.5%), goods vehicle (4.4%) and buses (1.0%). The increase in the usage of personalized vehicles over public transport has a significant impact on traffic congestion and road safety. Vehicular congestion is also evident from the fact that the number of vehicles has

As per a McKinsey report, India is set to emerge as the world's third-largest passenger vehicle market in next three years. By 2040, the number of vehicles per 1,000 inhabitants is anticipated to increase almost nine times

increased at a CAGR of 9.8% from 2005 to 2015, while the total length of roads increased at a CAGR of 3.7% during the same period.

Awareness: Lack of safety awareness among people is also a major factor contributing towards road accidents. Riding without a helmet or seatbelt, speeding, overtaking, driving under



The government is putting emphasis on safer road design, automobile safety standards, effective legislations, creating public awareness and enabling the training of drivers

Infrastructure: There is a great need to inspect the quality of infrastructure available for transport in India. With so much development in technologies, it is now possible to maintain stringent quality and standards. Defects in road conditions and poor road design/engineering have been identified as factors for road accidents. The challenge is to continuously monitor the health of our roads and reduce congestion of traffic. In addition to this, there is also a great need to put emphasis on road sign warnings, removal of blind spots and proper lighting for better visibility.

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MoRTH, National Highway Authority of India (NHAI), Automotive Component Manufacture Association (ACMA), Original Equipment Manufacturers (OEMs), NGOs, local municipality, hospitals, Emergency Medical Services (EMS) etc., on the same platform is a huge challenge.

implementation of those laws can only ensure effective usage of safety equipment while driving and proper registration of vehicles.

on safer road design, automobile safety standards, effective legislations, creating awareness among public and training of drivers. A multi-pronged approach has been adopted by the ministry based on four 'E's: Engineering, Enforcement, Education and Emergency Care.



ensure road safety. A helmet is provided as a compulsory accessory at the time of sale of all new two-wheelers. This has helped in improving helmet compliance amongst two-wheeler riders. The ministry is pushing car manufacturers to install safety features like air-bags, speed warning audio alerts, seatbelt audio alerts and reverse sensors.

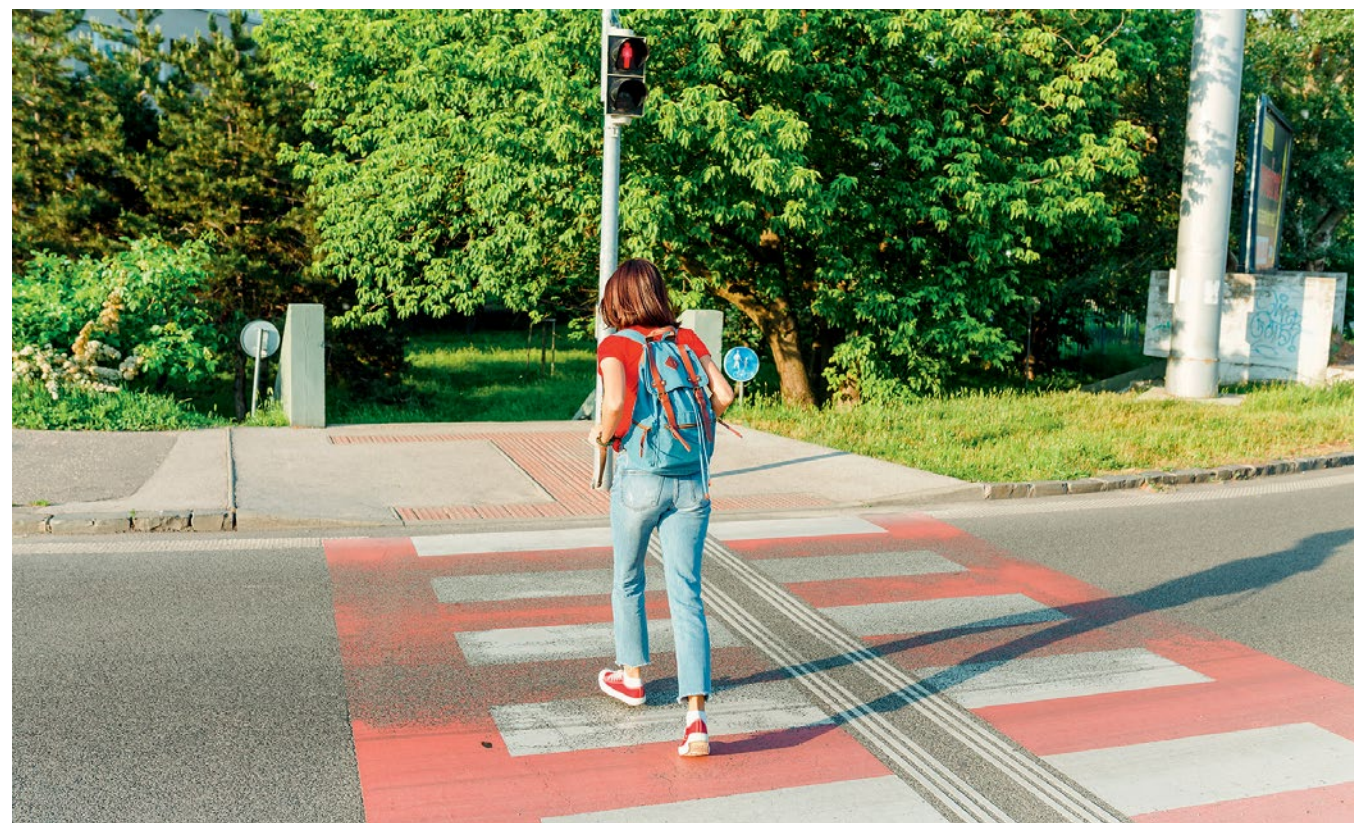
Innovative projects and programs have been launched to enhance the connectivity and reduce stress on road transport. Indian Bridge Management System (IBMS) is an initiative to inventorize all bridges and culverts on the National Highways and do a structural analysis to determine their condition and take measures for timely repair, renovation and reconstruction of the same. The construction of Beyt Dwarka – Okha Bridge, a signature four-lane bridge connecting mainland at Okha to Beyt-Dwarka Island off the Gujarat Coast, has been taken up by the ministry. Bharatmala Pariyojana: Phase-I is an umbrella program for the highway sector that aims to optimize the efficiency of road traffic movement across the country by bridging critical infrastructure gaps. Multi-modal integration is one of the key focuses of this program.

There is a great need to inspect the quality of infrastructure available for transport in India. With so much development in technologies, it is now possible to maintain stringent quality and standards

ROLE OF STANDARDS IN ROAD SAFETY

Road safety is ensured by taking care of various aspects such as road design, road construction methods, vehicle safety standards, guidelines on traffic management etc. Ensuring vehicle and road construction standards and their enforcement play crucial role in ensuring road traffic safety. The Bureau of Indian Standards (BIS) is the national standard-making body that is involved in harmonious development of standardization activities, marking and quality certification of goods and services in India. The Transport Engineering Department, a technical department of BIS that is working on standard formulation in the field of transport engineering and has developed standards and guidelines on safety equipment of automobiles.

Efforts have been made to enforce the product and service standards



through mandatory certification to ensure their implementation. In this regard, BIS has successfully launched the Management System certification against IS/ISO 39001 : 2012 'Road Traffic Safety (RTS) Management Systems - Requirements with Guidance for Use'. This standard broadly specifies requirements for a Road Traffic Safety (RTS) Management System to enable an organization that interacts with the road traffic system to reduce death and serious injuries related to road traffic crashes. Following these guidelines can enable an organization to achieve its objectives. This International Standard is applicable to any organization regardless of type, size or product and service provided, that wishes to:

- improve RTS performance
- establish, implement, maintain and improve an RTS management system
- assure itself of conformity with its stated RTS policy
- demonstrate conformity with this International Standard.

The Intelligent Transport Systems Sectional Committee, TED 28, is responsible for developing Indian Standards in the field of Road Traffic Safety Management Systems. This national mirror committee has adopted the standard formulated by ISO/TC 241 IS/ISO 39001 : 2012 'Road Traffic Safety (RTS) Management Systems—Requirements with Guidance for Use.' The ISO secretariat is also working on ISO/CD 39002 - Good practices for implementing commuting safety management, which may be deliberated by the national mirror committee for its adoption in the future.

Owing to the importance of this subject, BIS had organized a technical lecture on Road Traffic Safety in August 2018, which was delivered by Dr. Kamal Soi, Chairman, Raahat-The Safe Community Foundation, wherein he stressed upon the challenges before the country with regard to road safety and the way forward.

BIS is also taking initiatives to promote awareness of road safety through various campaigns. Furthermore, to mark the road safety week, BIS, in the month of February 2019, initiated a campaign through its social media to promote its standards on Road Safety, such as IS 14221 - Automotive vehicles – Retro Reflective Sheets and Tapes, IS 4151 - Protective Helmets for Two Wheeler Riders, IS 16694 Automotive vehicles – Safety Belts, Restraint Systems and Safety Belt Reminder – Installation requirements, etc.



CONCLUSION

Rapid urbanization and their demands for transport infrastructure have surely put much stress on road safety issue. There is no denying the fact that the challenge of overcoming the road safety issues is a daunting one, yet, with a proper awareness program and the involvement of all stakeholders, it is very much achievable. Active participation at individual and government levels is important to take up the road traffic problems. In addition to this implementation of traffic rules on a pan-India basis, stringent quality standards on vehicle safety are also important to curb the fatalities in road accidents. Continuously identifying the traffic issues and actively resolving them will definitely make our roads and vehicles safer. We started our journey with a vision of injury-free roads and we are confident that with right set of actions we can achieve our target of fatality-free journeys. 🏠

—Tushit Kamal is Scientist 'B' Transport Engineering Department (TED) and Gaurav Raj is a young professional, TED, Bureau of Indian Standards

SAFETY FIRST

FOR THOSE RIDING TWO-
WHEELERS, PAYING HEED TO
THE STANDARDS ON HELMETS
IS IMPERATIVE

BY SANJAY PANT AND S. ARUN KUMAR



Two-wheelers continue to be the predominant mode of transportation in the country owing to their convenience, maneuverability and affordability among the various modes of transportation. Between 2006 and 2016, a 10.1% compounded annual growth rate (CAGR) was observed in the number of registered two-wheelers in India; and, currently two-wheelers contribute 73.5% of vehicular population in the country. (Source: MoRTH, GoI).

The improved road conditions leading to increased vehicular speed and the mixed traffic on urban roads also comes with an equally increasing number of accidents, particularly for two-wheeler riders. Two-wheelers accounted for the highest share in the total number of road accidents 33.8% in the year 2016 and

28.8% in 2015. Out of the 52,500 two-wheeler riders who got killed in accidents in 2016, 10,135 two-wheeler riders (19.3%) were reported to not be wearing helmets (Source: MoRTH Report titled 'Road Accidents in India - 2016' available on: <http://www.indiaenvironmentportal.org.in>). In the year 2017, 33% of deaths were those of two-wheeler riders in accidents. A representation of accidents, fatalities and injuries in 2016 and 2017 is given in Table 1.

In the case of two-wheeler riders, next to the maximum reported injury to the lower limbs (38%), head injury accounts for about 34%. The human brain, the organ responsible for all activities, when subjected to injury can lead to instantaneous death or various types of damage and disabilities. The use of helmets is, therefore, of supreme importance to protect the brain and skull.



NEED FOR STANDARDIZATION

Helmets serve various purposes and contribute to different degrees of safety under various purposes or applications such as for use by traffic police, armed forces, fire men, industrial/construction workers, etc. The helmets suitable for these applications may not be appropriate for use by a two-wheeler rider. In the case of a two-wheeler rider, an injury can occur from a simple fall from the vehicle, collision with a stationary object/

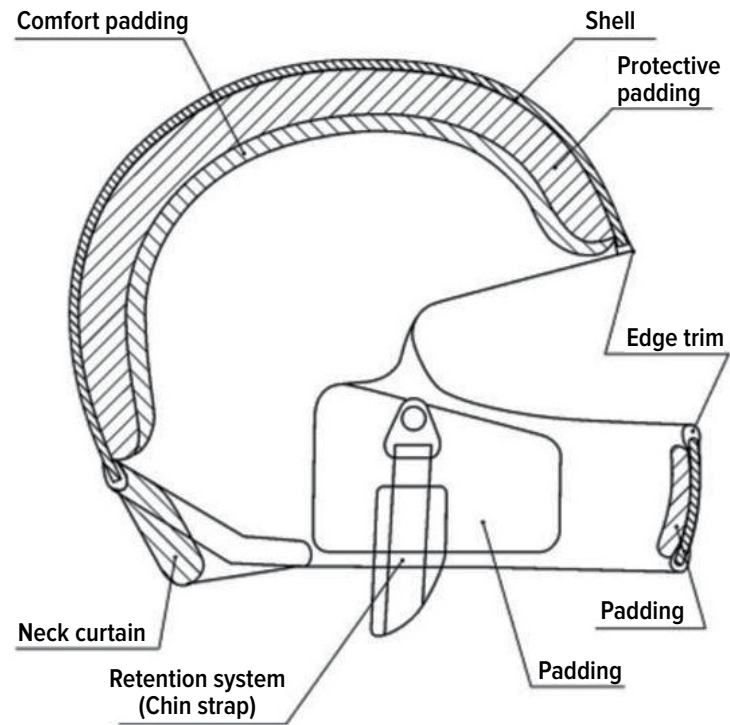
road/kerb, collision with other moving vehicles, etc. All these require the adoption of a considered approach to render the helmets suitable under various situations, including ensuring compliance to certain functional requirements such as audibility and vision, so that the primary function of safe driving is not jeopardized. It is, therefore, important that all requirements are duly enlisted along with a procedure for checking compliance to the same. This is ensured through

TABLE 1: ROAD ACCIDENTS, FATALITIES AND INJURIES BY VEHICLE TYPE (2016 & 2017)

Vehicle Type	2016			2017		
	No. of Accidents	Persons Killed	Persons Injured	No. of Accidents	Persons Killed	Persons Injured
A. Motorized Vehicles						
Two-wheelers	1,62,280 (33.8)	44,366 (29.4)	1,53,060 (30.9)	1,57,723 (33.9)	44,092 (29.8)	1,48,907 (31.6)
Auto-rickshaws	31,440 (6.8)	6,767 (4.5)	39,680 (8.0)	29,351 (6.3)	6,762 (4.6)	35,682 (7.6)
Cars, Jeeps, Taxis	1,13,267 (23.6)	32,599 (21.6)	1,25,773 (25.4)	1,13,737 (24.5)	31,183 (21.1)	1,23,156 (26.1)
Buses	37,487 (7.8)	12,088 (8.0)	50,686 (10.3)	32,145 (6.9)	10,651 (7.2)	44,330 (9.4)
Trucks, Tempos, Tractors	1,01,085 (21.0)	39,504 (26.2)	91,784 (18.6)	92,818 (20.0)	37,505 (25.4)	87,453 (18.6)
Other Motor Vehicles	13,255 (2.8)	5,886 (3.9)	11,607 (2.3)	-	-	-
Sub-total of (A)	4,58,814 (95.5)	1,41,210 (93.6)	4,72,590 (95.5)	4,25,774 (91.6)	1,30,193 (88.0)	4,39,528
B. Non-motorized Vehicles	4255 (0.9)	1728 (1.2)	3799 (0.8)	6,376 (1.4)	2798 (1.9)	4992 (1.1)
C. Other*	17,583 (3.6)	7,847 (5.2)	18,235 (3.7)	32,760 (7.0)	14,922 (10.1)	26,455 (5.6)
Total (A+B+C)	4,80,652	1,50,785	4,94,624	4,64,910	1,47,913	4,70,975



FIGURE 1: TYPICAL SKETCH SHOWING INTERNAL COMPONENTS OF HELMET



MAJOR COMPONENTS	
Shell	The hard part of the protective helmet which gives it its general shape.
Protective Padding	A material used to absorb impact energy.
Comfort Padding	A material provided for the wearer's comfort.
Retention System	The complete assembly by means of which the helmet is maintained in position on the head, including any devices for adjustments of the system or to enhance the wearer's comfort. Chin Strap - A part of the retention system consisting of a strap that passes under the wearer's jaws to keep the helmet in position. Chin Cup - It is an accessory of the chinstrap that fits round the point of the wearer's chin.
Visor	A transparent protective screen extending over the eyes and covering all or part of the face.
Neck Curtain	A part of the helmet attached to the lower edge of the helmet designed to protect against adverse weather conditions, dirt and small stones.

the formulation of a well-studied standard at the national level, and effectively enforcing the same.

HISTORICAL

The Bureau of Indian Standards (BIS) has been working right from its inception towards ensuring the safety of consumers, and that includes elaborating upon the necessary use of personal protective equipment. On these lines, BIS had issued, in 1967, the first version of the Indian Standard, IS 4151, on protective helmets for two-wheeler riders, as an emergency standard that was affirmed in 1968. Periodically, the standard was revised in 1976, 1982, 1993 and 2015. In the formulation of the standard, the available best practices in the country and abroad were duly considered including the UN ECE Regulation for helmets.

INDIAN STANDARD - IS 4151:2015

The quality requirements of helmets for

two-wheeler riders are given in the Indian Standard, IS 4151:2015 'Protective Helmet for Two Wheeler Riders – Specification (Fourth Revision)' right from material, construction, workmanship, finish, mass to performance.

The main components of a helmet (see Fig. 1) include a shell, protective padding, comfort padding and retention system. Additionally, lower face cover in the form of detachable, movable or integral part of the helmet is a common component of helmets.

Helmets can be manufactured in different sizes according to

headforms (500, 520, 540, 560, 570, 580, 600 and 620 mm); sizes 500 and 520 are recommended for children, size 500 is suitable for children between 3 to 8 years of age.

CONSTRUCTIONAL REQUIREMENTS

The construction of a helmet should ensure comfort and safety, not cause harm due to any projections, absorb impact energy, have an unfailing retention system comprising a chin strap with buckle or double-D ring or sliding bar. Further, the construction should ensure requisite peripheral vision, both horizontally as well as upwards and downwards. The helmets should be smooth and rounded, and weigh not more than 1200g.

To prevent an inordinate rise in temperature in the space between the head and the shell, the standard lays down the rules for adequate ventilation holes in the shell to increase the comfort of the rider.

CERTIFICATION

Thus, the Indian Standard comprehensively deals with the material and constructional requirements and prescribes for testing and evaluation of helmets to meet the comfort, safety, and quality requirements expected from the helmets. The helmets are under

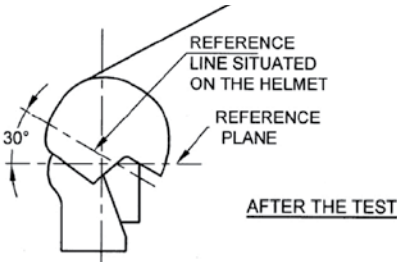
MATERIALS	
The materials used for construction of helmets should conform to the following basic properties or aspects	
Shell	Metallic or non-metallic materials
Protective Padding	Expanded polystyrene or any other material having similar properties
Comfort Padding	Expanded polyurethane foam, polyethylene or any other suitable material having similar properties.
Retention System	The material for chin strap and comfort padding shall be sweat-resistant, non-irritant and shall not be known to cause any skin disease.
Visor	Shall conform to IS 9973 'Specification for visor for scooter helmets'
Metal Parts	Shall be either inherently corrosion resistant or shall have been treated for corrosion resistance. Such parts shall show no signs of corrosion when subjected to test as specified in IS 9844: 1981 'Methods of testing corrosion resistance of electroplated and anodized aluminium coatings by neutral salt spray test'.

certification under the BIS' product certification scheme to use BIS' Standard Mark (ISI Mark). Information about the list of ISI marked helmets can be obtained from www.bis.gov.in under the 'Online Information' option which can be reached through the Conformity Assessment tab.



FUNCTIONAL AND PERFORMANCE REQUIREMENTS

The helmets when subjected to visual inspection, and testing, should conform to the requirements as given below:

IMPACT ABSORPTION	Impact absorption capacity is determined by recording, against time, the acceleration imparted to a headform fitted with the helmet, when dropped in a guided free fall at a specified impact velocity upon a fixed steel anvil. For the purpose, a flat steel anvil and a kerbstone anvil are used. The absorption efficiency shall be considered sufficient when the resultant acceleration measured at the centre of gravity of the headform meets the following requirements: a) Peak acceleration does not exceed 400g b) Accelerations in excess of 200g does not exceed a cumulative duration of 2.0 milliseconds c) Accelerations in excess of 150g does not exceed a cumulative duration of 4.0 milliseconds.
RIGIDITY	Rigidity is measured by placing the helmet between two parallel plates by means of which a known load is applied along the longitudinal and transverse axes. The deformation measured under the 630N load shall not exceed by more than 40mm than that measured under the initial 30N load. After restoration of the 30N load, the deformation measured shall not exceed by more than 15mm than that measured under the initial 30N load.
PROJECTIONS AND SURFACE FRICTION	The rotation-inducing forces caused by projections on the helmet and friction against the outer surface of the helmet, which occur when a helmeted headform is dropped vertically on to an inclined anvil, are measured in the longitudinal axis of the anvil. The peak force and its integrity with respect to time over the duration of the positive impulse are used as performance criteria.
DYNAMIC TEST OF RETENTION SYSTEM	The dynamic displacement of the point of application of force is measured in this test. In this test, preloading on the retention system (for determining the position from which the vertical displacement of the point of application of the force shall be measured) is done, and a falling mass of 10kg ± 0.1kg is then released and dropped in a guided free fall from a height of 750mm ± 5mm. The dynamic displacement of the point of application of the force shall not exceed 35mm. The residual displacement shall not exceed 25mm (which is measured after two minutes).
AUDIBILITY	A headform and sound level meter is used wherein the microphone of sound level meter shall be fitted at a place corresponding to the right or left ear's location. Then, the sound attenuation is measured through which the sound transmission loss shall not be more than 10dB over the frequency range 250 to 2000Hz.
RETENTION TEST	A device to guide and release a falling mass (the total mass being 3 ± 0.1kg) is hooked on to the rear part of the shell in the median vertical plane of the helmet to determine retention (detaching). After the test, the angle between the reference line situated on the shell of the helmet and the reference plane of the headform shall not exceed 30° to ascertain the conformance for retention. <div></div>
MICROSLIP OF THE CHIN STRAP	The test rig consisting of a flat horizontal robust base, a weight for applying a load, a freely rotatable horizontal roller of diameter not less than 20mm, and in the same horizontal plane as the top of the roller a clamp capable of reciprocating horizontal motion at right angles to the axis of the roller with a total amplitude of 50 ± 5mm at a frequency between 0.5Hz and 2Hz is used. The total slippage through the grip shall not exceed 10mm.
RESISTANCE TO ABRASION OF CHIN STRAP	The test is performed using a similar test rig as that used in the test for Microslip of the Chin Strap with a little modification. One end of the strap is gripped in the oscillating clamp which is subjected to a total of 5000 cycles at a frequency between 0.5 and 2Hz. After the test, the strap shall withstand a tension of 3KN without breaking.

NOTE - For precise and complete details, refer to IS 4151:2015.

CONCLUSION

The BIS had formulated an Indian Standard covering all requirements for helmets for two-wheeler riders as early as 1967, and through periodic revisions, has kept it updated at par with the international requirements and practices abroad and in the country. Accordingly, the latest version of the Indian Standard, IS 4151:2015 (read with its Amendment No. 1), has been brought out, which comprehensively covers all critical requirements through constructional features and performance parameters. It ensures that the helmets are subjected to rigorous testing and

PUBLICATIONS BY BIS RELATED TO HELMETS

IS 2745	Specification for non-metal helmet for firemen and civil defence personnel (second revision)
IS 2925: I ISO 3873 IS 2925:(B)	Specification for industrial safety helmets (second revision)
IS 4151	Specification for protective helmet for two wheeler riders (fourth revision)
IS 7692	Specification for headforms for testing of helmets (first revision)
IS 9562	Specification for non-metal helmet for police force
IS 9695	Methods for sampling of helmets
IS 9973	Specification for visor for scooter helmets
IS 9995	Specification for visor for non-metal police and firemen's helmet

IS 4151:2015 ‘Protective Helmet for Two Wheeler Riders–Specification (4th revision)’ is about the quality requirements of helmets, right from material, construction, workmanship, finish and mass to performance



evaluation. BIS also provides third-party certification under which helmets with BIS’ standard mark (ISI mark) are made available throughout the country. At present, there are more than 200 licensees manufacturing helmets with the ISI mark. All the stakeholders, be it common consumer, testing laboratories, helmet manufacturers, or regulatory authorities, should take cognizance of the Indian Standard and ensure use of helmets in accordance with the Indian Standard duly marked with an ISI mark for ensuring safety of people. 🏠

—Sanjay Pant is Scientist ‘F’ & Head Civil Engg Deptt., BIS and S. Arun Kumar is Scientist ‘D’, Civil Engg Deptt., BIS

STANDARDS FIRST

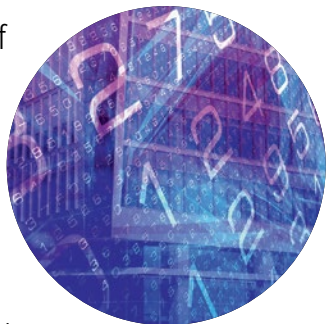
THE LIST OF INDIAN STANDARDS PUBLISHED/REVISED

No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15894 : 2018 Inspection Gauges For Checking Taper Threads of Gas Cylinder Valves and Cylinder Necks — Taper 1 in 16 on Diameter — Specification (First Revision)	आई एस 15894: 2018 गैस सिलेंडर वाल्वों और सिलेंडर गर्दन के टेपर थ्रेड्स की जांच के लिए निरीक्षण गॉज - व्यास में 16 में टेपर 1 - विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. & Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 15894 : 2011 Inspection Gauges For Checking Type 1 (Sizes 1,2 and 3) Taper and Cylinder Necks — Taper 1 in 16 on Diameter — Specification	आई एस 15894:2011 निरीक्षण प्रकार 1 के लिए छंनहमे (1,2 आकार और 3) आकार टेपर और सिलेंडर गर्दन - व्यास 16 में 16 में टेपर 1 - विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16265 : 2018 Sodium Hexa Meta Phosphate, Food Grade — Specification	आई एस 16265: 2018 सोडियम हेक्सा मेटा फॉस्फेट, खाद्य ग्रेड - विशिष्टता
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. & Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

NEWS YOU CAN USE

THE NUMBERS

During the month of December, 39 BIS sectional committee meetings were held and 58 new standards were formulated and 30 standards were revised. Besides, 82 draft standards were issued for wide circulation and 85 draft standards were finalized. During the month, 454 standards were reviewed and 453 standards were reaffirmed. As on 25 December 2018, 20030 standards were in force.



No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16311 : 2018 Olive Oil — Specification	आई एस 16311: 2018 जैतून का तेल - विशिष्टता
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. & Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16418 : 2018/ ISO 17442 : 2012 Financial Services —Legal Entity Identifier (LEI)	आई एस 16418: 2018 आई एस ओ 17442: 2012 वित्तीय सेवाएँ -गल एंटीटी आईडेंटिफायर (एल ई आई)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. & Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 20022-5 : 2013 Financial Services — Universal Financial Industry Message Scheme Part 5 Reverse Engineering (First Revision)	आई एस / आई एस ओ 20022-5: 2013 वित्तीय सेवाएँ - यूनिवर्सल फाइनेंशियल इंडस्ट्री मैसेज स्कीम पार्ट 5 रिवर्स इंजीनियरिंग (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS/ISO/TS 20022-5 : 2004 Financial Services — Universal Financial Industry Message Scheme Part 5 ISO 20022 Reverse Engineering	आई एस / आई एस ओ / टी एस 20022-5: 2004 वित्तीय सेवाएँ - यूनिवर्सल वित्तीय उद्योग संदेश योजना भाग 5 आई एस ओ 20022 रिवर्स इंजीनियरिंग
Date of Cancellation रद्द होने की तिथि	4 May 2018	
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1586 (Part 1) : 2018/ ISO 6508-1: 2016 Metallic Materials — Rockwell Hardness Test Part 1 Test Method (Fifth Revision)	आई एस 1586 (भाग 1): 2018 / आई एस ओ 6508-1: 2016 धातु सामग्री - रा क्वेल कठोरता परीक्षण भाग 1 परीक्षण विधि (पांचवां संशोधन)
Date of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS 1586 (Part 1) : 2012 ISO 6508-1: 2005 Metallic materials — Rockwell Hardness Test Part 1 Test Method (Scales A, B, C, D, E, F, G, H, K, N, T (fourth Revision)	आई एस 1586 (भाग 1): 2012 आई एस ओ 6508-1: 2005 धातु सामग्री - रा क्वेल कठोरता परीक्षण भाग 1 टेस्ट विधि (स्केल्स, बी, सी, डी, ई, एफ, जी, एच, के, एन, टी (चौथा संशोधन)
Date of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018

No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1755 : 2018/ ISO 7802 : 2013 Metallic Materials—Wire— Wrapping Test (Second Revision)	आई एस 1755: 2018 / आई एस ओ 7802: 2013 धातु सामग्री-तार-रैपिंग टेस्ट (दूसरा संशोधन)
Date of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS 1755 : 1983 Method for Wrapping Test For Metallic Wire (First Revision)	आई एस 1755: 1983 मेटलिक वायर के लिए रैपिंग टेस्ट के लिए विधि (पहला संशोधन)
Date of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 1942 : 2009 Dentistry— V ocabulary	आई एस / आई एस ओ 1942: 2009 दंत चिकित्सा-वी शब्दावली
Date of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS 7348 (Part 1) : 2003/ ISO 1942- 1: 1989 Dental Vocabulary Part 1 General and Clinical Terms IS 7348 (Part 2) : 2003/ISO 1942-2 : 1989 Dental Vocabulary part 2 dental Materials (First Revision) IS 7348 (Part 3) : 2003/ ISO 1942- 3: 1989 Dental Vocabulary part 3 Dental instruments (Second Revision) IS 7348 (Part 4) : 1994/ ISO 1942- 4: 1989 Dental Vocabulary Part 4 Dental Equipment (Second Revision) IS 7348 (Part 5) : 1994/ ISO 1942- 5: 1989 Dental Vocabulary Part 5 Terms Associated with testing	आई एस 7348 (भाग 2): 2003 / आई एस ओ 1942-2: 1989 डेंटल शब्दावली भाग 2 डेंटल मीटेरियल्स (प्रथम संशोधन) आई एस 7348 (भाग 3): 2003 / आई एस ओ 1942-3: 1989 चिकित्सकीय शब्दावली भाग 3 दंत चिकित्सा उपकरण (दूसरा संशोधन) आई एस 7348 (भाग 4): 1994 / आई एस ओ 1942-4: 1989 चिकित्सकीय शब्दावली भाग 4 दंत चिकित्सा उपकरण (दूसरा संशोधन) आई एस 7348 (भाग 5): 1994 / आई एस ओ 1942-5: 1989 चिकित्सकीय शब्दावली भाग 5 शब्द परीक्षण के साथ जुड़ा हुआ है
Date of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 2067 : 1998 Granulated Cork — Sampling	आई एस / आई एस ओ 2067: 1998 दानेदार कॉर्क - नमूनाकरण
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2368 : 2018/ISO 2433 : 1999 Machine Tools-Test Conditions for external Cylindrical and Universal Grinding Machines With a Movable Table-Testing of the Accuracy (Third Revision)	आई एस 2368: 2018 / आई एस ओ 2433: 1999 मशीन टूल्स-टेस्ट के शर्तें बाहरी बेलनाकार और सार्वभौमिक पीसने वाली मशीनों की सटीकता के चल तालिका-परीक्षण के साथ (तीसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 2368 : 1993 Test Charts for External Cylindrical Grinding Machines With a Movable Table (Second Revision)	आई एस 2368: 1993 के लिए टेस्ट चार्ट एक चल तालिका के साथ बाहरी बेलनाकार पीसने की मशीन (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 4074 : 2015 Natural Rubber latex Male Condoms — Requirements and Test Methods (First Revision)	आई एस / आई एस ओ 4074: 2015 प्राकृतिक खबर लेटेक्स पुरुष कंडोम - आवश्यकताएँ और परीक्षण विधियाँ (प्रथम संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 4074 :2002 Natural latex Rubber condoms-requirements and Test Methods	आई एस / आई एस ओ 4074: 2002 प्राकृतिक लेटेक्स खबर कंडोम-आवश्यकताएं और परीक्षण विधियाँ
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5069 : 2018/ISO 23718 : 2007 Metallic Materials —Mechanical Testing —Vocabulary (Second Revision)	आई एस 5069: 2018 / आई एस ओ 23718रू 2007 मेटैलिक मेटैरियल्स -मशीनिकल टेस्टिंग-शब्दावली (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5069 : 1982 Glossary of Terms Relating to Methods of Mechanical Testing of Metals (First Revision)	आई एस 5069: 1982 धातुओं के यांत्रिक परीक्षण (पहले संशोधन) के तरीकों से संबंधित शब्दावली
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 6360-2 : 2004 Dentistry — Number Coding System for Rotary Instruments Part 2 Shapes	आई एस / आई एस ओ 6360-2: 2004 दंत चिकित्सा -रोटरी इंस्ट्रुमेंट्स पार्ट 2 आकृतियों के लिए नंबर कोडिंग सिस्टम
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 8009 : 2014 Mechanical Contraceptives— Reusable Natural and Silicone Rubber Contraceptive Diaphragms— Requirements and Tests (First Revision)	आई एस / आई एस ओ 8009: 2014 मैकेनिकल कॉन्ट्रासेप्टिव्स-रियूजेबल नेचुरल एंड सिलिकॉन खबर कॉन्ट्रासेप्टिव डायफ्रैग्म-रिक्वायरमेंट्स एंड टेस्ट्स (फर्स्ट रिविजन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 8009 : 2004 Mechanical Contraceptives— Reusable Natural and Silicone Rubber Contraceptive Diaphragms— Requirements and Tests	आई एस / आई एस ओ 8009: 2004 मैकेनिकल कॉन्ट्रासेप्टिव्स-रियूजेबल नेचुरल एंड सिलिकॉन खबर कॉन्ट्रासेप्टिव डायफ्राम्स रिक्वायरमेंट्स एंड टेस्ट्स
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018

No.,Year & Title Of The Indian Standards Established	IS 10666 : 2018 Tobacco and Tabacco Products — Cigarette Filters — Specification (Second Revision)	आई एस 10666: 2018 तंबाकू और तम्बाकू उत्पाद – सिगरेट फिल्टर – विशिष्टता (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 8004 : 2004 Tobacco and Tabacco Products –Cigarette filters –Specification (First Revision)	आई एस 8004:2004 तम्बाकू और तम्बाकू उत्पाद-सिगरेट के फिल्टर –करण (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title Of The Indian Standards Established	IS/ISO 10993-9 : 2009 Biological Evaluation of Medical Devices Part 9 Framework for Identification and Quantification of Potential Degradation Products	आई एस / आई एस ओ 10993-9: 2009 चिकित्सा उपकरणों का जैविक मूल्यांकन पार्ट 9 फ्रेमवर्क की पहचान और संभावित उन्नयन उत्पादों की मात्रा का निर्धारण
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established	IS/ISO 10993-13 : 2010 Biological Evaluation of Medical Devices Part 13 Identification and Quantification of Degradation Products from Polymeric Medical Devices	आई एस / आई एस ओ 10993-13: 2010 चिकित्सा उपकरणों का जैविक मूल्यांकन भाग 13 पोलिमर मेडिकल उपकरणों से गिरावट उत्पादों की पहचान और मात्रा का निर्धारण
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established	IS 11144 : 2018 ISO/6265 : 2013 Alpine Skis — Determination Load and Breaking Load (First Revision)	आई एस 11144: 2018 आई एस ओ /6265: 2013 अल्पाइन स्की – निर्धारण लोड और ब्रेकिंग लोड (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 11144 : 1984 Method for determination of deformation load and breaking load on alpine skis	आई एस 11144: 1984 अल्पाइन स्की पर विरूपण लोड और ब्रेकिंग लोड के निर्धारण के लिए विधि
Date Of Cancellation रद्द होने की तिथि	8 May 2018	
No.,Year & Title Of The Indian Standards Established	IS/ISO 13022 : 2012 Medical Products Containing Viable Human Cells — Application of Risk Management and Requirements for Processing Practices	आई एस / आई एस ओ 13022: 2012 चिकित्सा उत्पाद जिसमें व्यवहार्य मानव कोशिकाएं शामिल हैं – प्रसंस्करण प्रबंधन के लिए जोखिम प्रबंधन और आवश्यकताओं का अनुप्रयोग
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established	IS 13288 (Part 2) : 2018/ISO 1492 -2 : 2008 Series 1 Freight Containers — Specification and Testing Part 2 Thermal Containers (Second Revision)	आई एस 13288 (भाग 2): 2018 / आई एस ओ 1492 -2: 2008 श्रृंखला 1 माल कंटेनर – विशिष्टता और परीक्षण भाग 2 थर्मल कंटेनर (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 13288 (Part 2) : 2001 ISO 1496-2 : 1996 Series 1 Freight Containers— Specification and Testing Part 2 Thermal Containers (First Revision)	आई एस 13288 (भाग 2): 2001 आई एस ओ 1496-2: 1996 श्रृंखला 1 माल कंटेनर – विशिष्टता और परीक्षण भाग 2 थर्मल कंटेनर (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title Of The Indian Standards Established	IS 13323 : 2018/ISO 9343 : 2004 Pliers and Nippers — Slip Joint Pliers — Dimensions and Test Values (First Revision)	आई एस 13323: 2018 / आई एस ओ 9343: 2004 सरोता और नीपर – पर्वी संयुक्त सरोता – आयाम और परीक्षण मूल्य (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 13323 : 1992 Slip Joint Pliers Specification	आई एस 13323: 1992 स्लिप ज्वाइंट प्लियर्स स्पेसिफिकेशन
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title Of The Indian Standards Established	IS 14863 : 2018/ISO 5608 : 2012 Turing and Copying Tool Holders and Cartridges for Indexable Inserts — Designation (First Revision)	आई एस 14863: 2018 / आई एस ओ 5608: 2012 इंडेक्सेबल इंसर्ट के लिए ट्यूरिंग और कॉपींग टूल होल्डर्स और कारट्रूस – पदनाम (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 14863 : 2000/ISO 5608 : 1995 Turing and Copying Tool Holders and Cartridges for Indexable Inserts — Designation	आई एस 14863: 2000 / आई एस ओ 5608: 1995 इंडेक्सेबल इंसर्ट के लिए ट्यूरिंग और क०पी करने वाले टूल होल्डर्स और कारट्रूस कृडिजाइन
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018
No.,Year & Title Of The Indian Standards Established	IS 15288 (Part 2) : 2018/ISO 8486-2 : 2007 Bonded Abrasives — Determination and Designation of Grain Size Distribution Part 2 Microgrits F 230 to F 1200 (First Revision)	आई एस 15288 (भाग 2): 2018 / आई एस ओ 8486-2: 2007 बंधे जुआ अपमान – निर्धारण और अनाज आकार वितरण का पदनाम भाग 2 डपबतवहतपजे एफ 230 से एफ 1200 (प्रथम संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 15288 (Part 2) : 2003/ISO 8486-2 : 1996 Bonded Abrasives —Determination and Designation of Grain Size Distribution Part 2 Microgrits F 230 to F 1200	आई एस 15288 (भाग 2): 2003 / आई ई सी 8486-2: 1996 बंधुआ गर्भपात –गति का वितरण और पदनाम आकार का वितरण भाग 2 डपबतवहतपजे एफ 230 से एफ 1200
Date Of Cancellation रद्द होने की तिथि	8 May 2018	8 मई 2018

No.,Year & Title Of The Indian Standards Established	IS 16619 (Part 2) : 2018/IEC 61243-2 : 2002 Live Working — Voltage Detectors Part 2 Resistive Type to be Used for Voltages of 1 kV to 36 kV a.c.	आई एस 16619 (भाग 2): 2018 / आई ई सी 61243-2: 2002 लाइव वर्किंग – वोल्ट डिटेक्टर पार्ट 2 प्रतिरोध प्रकार का उपयोग 1 केवी से 36 केवी के वोल्टेज के लिए किया जाता है।
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established	IS 16874 : 2018 Textiles —Protective Gloves Firefighters — Specification	आई एस 16874: 2018 टेक्सटाइल्स –प्रोटेक्टिव दस्ताने फायरफाइटर्स – विशिष्टता
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established	IS 16740 (Part 1) : 2018/ISO 17713-1 : 2007 Meteorology — Wind Measurements Part 1 Wind Tunnel Test Methods for Rotating Anemometer Performance	आई एस 16740 (भाग 1): 2018 / आई एस ओ 17713-1: 2007 मौसम विज्ञान – पवन मापक भाग 1 एनेमोमीटर प्रदर्शन को घुमाने के लिए पवन सुरंग परीक्षण के तरीके
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established	IS 16890 : 2018 Textiles — Protective Clothing for Firefighters — Specification	आई एस 16890: 2018 कपड़ा – अग्निशमकों के लिए सुरक्षात्मक वस्त्र – विशिष्टता
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established	IS/ISO 21549-4 : 2014 Health Informatics — Patient Health Card Data Part 4 Extended Clinical Data	आई एस / आई एस ओ 21549-4: 2014 स्वास्थ्य सूचना विज्ञान – रोगी स्वास्थ्य कार्ड डेटा भाग 4 विस्तारित नैदानिक डेटा
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established	IS/ISO 21549-8 : 2010 Health Informatics — Patient Health Card Data Part 8 Links	आई एस / आई एस ओ 21549-8: 2010 स्वास्थ्य सूचना विज्ञान – रोगी स्वास्थ्य कार्ड डेटा भाग 8 लिंक
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established	IS/ISO/TR 22442-4 : 2010 Medical Devices Utilizing Animal Tissues and their Derivatives Part 4 Principles for Elimination and/ or Inactivation of Transmissible Spongiform Encephalopathy (TSE) Agents and Validation Assays for those Processes	आई एस / आई एस ओ / टी आर 22442-4: 2010 चिकित्सा उपकरण पशु ऊतकों और उनके डेरिवेटिव भाग 4 सिद्धांतों को खत्म करने और / या संचरित स्पॉन्जिफॉर्म एन्सेफैलोपैथी (टीएसई) एजेंटों और उन प्रक्रियाओं के लिए मान्यता आश्वासन के निष्क्रियकरण के लिए उपयोग
Date Of Establishment संशोधन की संख्या और तिथि	8 May 2018	8 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

NEWS YOU CAN USE

PRODUCT CERTIFICATION

During the period, BIS granted 372 new certification licences, 264 expired and 09 were cancelled, bringing the number of operative licences to 34,934. As on 25 December 2018, total number ofStandardscoveredunderProductcertification was 967. During December 2018, 844 number of surveillance inspections were carried out. In addition, 701 inspections for clearing lots of LPG, CNG & Industrial Gas Cylinders/ Valves/ Regulators and 204 other inspections like Resumption of marking, Inclusion by factory testing, Shifting of premises etc.



No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1060 (Part 4/Sec 3) : 2018/ISO 2144 : 2015 Methods of Sampling and Tests for Paper and Allied Products Part 4 Methods of Test for Paper, Board and Pulp Section 3 Determination of Residue (ash) on ignition at 900°C	आई एस 1060 (भाग 4 / सेक 3): 2018 / आई एस ओ 2144: 2015 कागज और संबद्ध उत्पादों के लिए नमूने और टेस्ट के तरीके भाग 4 कागज, बोर्ड और पल्स के लिए परीक्षण के तरीके 3 के अवशेषों (सख) का 900 डिग्री पर इग्निशन पर निर्धारण (सख) सी
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1060 (Part 5/ Sec 20) : 2018/ ISO 8791-2 : 2013 Methods of Sampling and Tests for Paper and Allied Products Part 5 Methods of Test for Paper and Board Section 20 Determination of roughness/smoothness (Air leak methods) – Bendtsen method	आई एस 1060 (भाग 5 / सेक 20): 2018 / आई एस ओ 8791-2: 2013 कागज और संबद्ध उत्पादों के लिए नमूने और परीक्षण के तरीके भाग 5 कागज और बोर्ड के लिए परीक्षण के तरीके धारा 20 खुरदरापन & चिकनाई (वायुयान विधियों) का निर्धारण – बेंडट्सन विधि
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5062 (Part 4) : 2018/ ISO 975 : 2013 Method of Test for Brown Coals and Lignites Part 4 Determination of Yield of Benzene-Soluble Extract – Semi-Automatic Method (Second Revision)	आई एस 5062 (भाग 4): 2018 / आई एस ओ 975: 2013 भूरे रंग के कोयले और लिग्नाइट के लिए परीक्षण की विधि भाग 4 बेजीन-घुलनशील निकालने की उपज का निर्धारण – अर्ध स्वचालित विधि (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5062 (Part 4) : 2004/ ISO 975 : 2000 Method of Test for Brown Coals and Lignites Part 4 Determination of Yield of Benzene-Soluble Extract – Semi-Automatic Method (First Revision)	आई एस 5062 (भाग 4): 2004 / आई एस ओ 975: 2000 ब्राउन कोयले और लिग्नाइट के लिए टेस्ट की विधि भाग 4 बेजीन-घुलनशील निकालने की उपज का निर्धारण – अर्ध स्वचालित विधि (प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5062 (Part 8/Sec 1) : 2018/ISO 5068- 1 : 2007 Methods of Test for Brown Coals and Lignites Part 8 Determination of Moisture Content Section 1 Indirect Gravimetric method for Total moisture	आई एस 5062 (भाग 8 / सेक 1): 2018 / आई एस ओ 5068- 1: 2007 भूरा कोयले और लिग्नाइट के लिए परीक्षण के तरीके भाग 8 नमी की मात्रा का निर्धारण अनुभाग 1 कुल नमी के लिए अप्रत्यक्ष ग्रेविमेट्रिक विधि
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5062 (Part 8/Sec 2) : 2018/ISO 5068- 2 : 2007 Methods of Test for Brown Coals and Lignites Part 8 Determination of Moisture Content Section 2 Indirect Gravimetric method for moisture in the analysis sample	आई एस 5062 (भाग 8 / सेक 2): 2018 /आई एस ओ 5068- 2: 2007 ब्राउन कोयले और लिग्नाइट्स के लिए परीक्षण के तरीके भाग 8 नमी सामग्री अनुभाग 2 का निर्धारण विश्लेषण नमूने में नमी के लिए अप्रत्यक्ष ग्रेविमेट्रिक विधि।
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5693 : 2018 Specification for Countersink 90° With Parallel Shank and Solid Pilot (Second Revision)	आई एस 5693: 2018 काउंटरसिंक की विशिष्टता 90° समानांतर शंक और वेस पायलट (दूसरा संशोधन) के साथ
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5693 : 1988 Specification for Countersink 90° With Parallel Shank and Solid Pilot (First Revision)	आई एस 5693: 1988 समानांतर शंक और वेस पायलट (पहला संशोधन) के साथ काउंटरसिंक 90° के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5704 : 2018 Specification for Counterbore with Parallel Shank and Solid Pilot (Second Revision)	आई एस 5704: 2018 समानांतर शंक और वेस पायलट के साथ काउंटरबोर के लिए विशिष्टता (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5704 : 1988 Specification for Counterbores with Parallel Shank and Solid Pilot (First Revision)	आई एस 5704: 1988 समानांतर शंक और वेस पायलट (प्रथम संशोधन) के साथ काउंटरबोर्स के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018

NEWS YOU CAN USE

REGISTRATION SCHEME & LABORATORY TESTING

During the period, 501 new registrations of Electronics & Information Technology products have been made under the scheme. As on 25 December 2018, BIS has made 15802 registrations under the BIS registration scheme covering different product categories. During the month, 2860 samples were tested by BIS laboratories. As on 25 December 2018, 235 Outside Laboratories (OSL) stands recognized by BIS and during the month, 458 samples were tested by OSLs.



No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9385 (Part 1) : 2018/ IEC 60282-1 : 2009 High-Voltage Fuses Part 1 Current-Limiting Fuses (First Revision)	आई एस 9385 (भाग 1)/ 2018 / आई ई सी 60282-1: 2009 उच्च वोल्टेज फ्यूज भाग 1 वर्तमान-सीमित फ्यूज (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 9385 (Part 1) : 1979 High- Voltage Fuses Part 1 Current- Limiting Fuses	आई एस 9385 (भाग 1): 1979 उच्च वोल्टेज भाग 1 वर्तमान-सीमित फ्यूज
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1353 (Part 1) : 2018/ISO 501 : 2012 Method of Test for Coal Carbonization Part 1 Determination of the Crucible Swelling Number (Second Revision)	आई एस 1353 (भाग 1): 2018 / आई एस ओ 501: 2012 कोयला जलकर कोयला परीक्षण के लिए विधि भाग 1 क्रूसिबल सूजन संख्या (दूसरा संशोधन) का निर्धारण
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1353 (Part 1) : 1993 Method of Test for Coal Carbonization Part 1 Determination of the Crucible Swelling Number (First Revision)	आई एस 1353 (भाग 1): 1993 कोयला जलकर कोयला के लिए परीक्षण की विधि भाग 1 क्रूसिबल सूजन संख्या (प्रथम खंड) का निर्धारण
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1353 (Part 2) : 2018/ ISO 502 : 2015 Method of Test for Coal Carbonization Part 2 Determination of Caking Power – Gray-King Coke Test (Second Revision)	आई एस 1353 (भाग 2): 2018 / आई एस ओ 502: 2015 कोल कार्बोनाइजेशन के लिए टेस्ट की विधि भाग 2 ककिंग पावर का निर्धारण – ग्रे-किंग कोक टेस्ट (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1353 (Part 2) : 1993 Method of Test for Coal Carbonization Part 2 Determination of Caking Power – Gray-King Coke Test (First Revision)	आई एस 1353 (भाग 2): 1993 कोयला कोलनीकरण के लिए परीक्षण की विधि भाग 2 कोकिंग पावर का निर्धारण – ग्रे-किंग कोक टेस्ट (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12640 (Part 3) : 2018/IEC 1008-2-1 : 1990 Residual Current Operated Circuit- Breakers Without Integral Overcurrent Protection for Household and Similar Uses (RCCB's) Part 3 Applicability of the General Rules to RCCB's Functionally Independent of Line Voltage	आई एस 12640 (भाग 3): 2018 आई ई सी 1008-2-1: 1990 अवशिष्ट वर्तमान परिचालित सर्किट-घरेलू और समान उपयोगों के लिए अभिन्न अतिसंरक्षण के बिना ब्रेकर (आरसीसीबी'एस) भाग 3 आरसीसीबी'एस के कार्यात्मक रूप से स्वतंत्र होने के लिए सामान्य नियमों की उपयुक्तता वोल्टेज
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13646 : 2018 Automotive Vehicles – Instrument Systems – Pressure Gauges Electrical/Electronic Type – Specification (First Revision)	आई एस 13646: 2018 ऑटोमोटिव वाहन – साधन प्रणाली – दबाव गेज विद्युत / इलेक्ट्रॉनिक प्रकार – विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13646 : 1993 Automotive Vehicles – Instrument Systems – Pressure Gauges Electrical Type – Specification	आई एस 13646: 1993 ऑटोमोटिव वाहन – साधन प्रणाली – दबाव गेज विद्युत प्रकार – विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15269 : 2018/ISO 8039 : 2014 Optics and Optical Instruments – Microscopes – Values, Tolerances and Symbols for Magnification (First Revision)	आई एस 15269: 2018 / आई एस ओ 8039: 2014 ऑप्टिक्स एंड ऑप्टिकल इंस्ट्रुमेंट्स – माइक्रोस्कोप्स – वैल्यूज, टॉलरेंस एंड सिंबल्स फॉर मैग्नीफिकेशन (पहला रिविजन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15269 : 2003/ISO 8039 : 1997 Optics and Optical Instruments – Microscopes – Values, Tolerances and Symbols for Magnification	आई एस 15269: 2003 / आई एस ओ 8039: 1997 ऑप्टिक्स एंड ऑप्टिकल इंस्ट्रुमेंट्स – माइक्रोस्कोप्स – वैल्यूएशन, टॉलरेंस एंड सिंबल
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15704 : 2018 Automotive Vehicles – Retreaded Pneumatic Tyres for Commercial Vehicles – Specification (First Revision)	आई एस 15704: 2018 ऑटोमोटिव वाहन – वाणिज्यिक वाहनों के लिए वायवीय टायर्स – विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15704 : 2006 Automotive Vehicles – Retreaded Pneumatic Tyres for Commercial Vehicles – Specification	आई एस 15704: 2006 ऑटोमोटिव वाहन – वाणिज्यिक वाहनों के लिए वायवीय टायर्स – विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16449 (Part 1) : 2018/ ISO 3864-1 : 2011 Graphical Symbols – Safety Colours and Safety Signs Part 1 Design Principles for safety Signs and Safety Markings	आई एस 16449 (भाग 1): 2018/ आई एस ओ 3864-1: 2011 ग्राफिकल प्रतीक – सुरक्षा रंग और सुरक्षा संकेत भाग 1 सुरक्षा संकेत और सुरक्षा चिह्नों के लिए डिजाइन सिद्धांत
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16453 : 2018/ISO 17724 : 2003 Graphical Symbols – Vocabulary	आई एस 16453: 2018 / आई एस ओ 17724: 2003 ग्राफिकल सिंबल – वोकुलबरी
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16579 : 2018/ISO 16578 : 2013 Molecular Biomarker Analysis – General Definitions and Requirements for Microarray Detection of Specific Nucleic Acid Sequences	आई एस 16579: 2018 / आई एस ओ 16578: 2013 आणविक बायोमार्कर विश्लेषण – विशिष्ट न्यूक्लिक एसिड अनुक्रमों के माइक्रोएरे डिटेक्शन के लिए सामान्य परिभाषाएं और आवश्यकताएं
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16637 (Part 3) : 2018/ISO 5610-3 : 2014 Tool Holders with Rectangular Shank for Indexable Inserts Part 3 Style B	आई एस 16637 (भाग 3): 2018 / आई एस ओ 5610-3: 2014 अनुक्रमणिका आवेषण भाग 3 शैली बी के लिए आयताकार शंक के साथ टूल होल्डर्स
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 14866 : 2000 Single Point Tool Holders For Turning and Copying for Indexable Inserts – Dimensions	आई एस 14866: 2000 सिंगल प्इंट टूल होल्डर्स इंडेक्सबल इंसर्ट के लिए टर्निंग और कॉपी करना – आयाम
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 60305 : 1995 Insulators for Overhead Lines with a Nominal Voltage Above 1000 V – Ceramic or Glass Insulator Units for a.c. Systems – Characteristics of Insulator Units of the Cap and Pin Type	आई एस / आई ई सी 60305: 1995 के लिए ओवरहेड लाइनों के लिए इन्सुलेटर 1000 वी से ऊपर नाममात्र वोल्टेज के साथ –ए. सी. के लिए सिस्टमिक या ग्लास इन्सुलेटर इकाइयाँ। सिस्टम – कैप और पिन प्रकार के इन्सुलेटर इकाइयों की विशेषताएं
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 2031 : 2015 Granulated Cork — Determination of Apparent Bulk Density	आई एस / आई स ओ 2031: 2015 दानेदार कॉर्क – स्पष्ट बल्क घनत्व का निर्धारण
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 2190 : 2016 Granulated Cork — Determination of Moisture Content	आई एस / आई एस ओ 2190: 2016 दानेदार कॉर्क – नमी सामग्री का निर्धारण
Date Of Establishment संशोधन की संख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 3076 : 2012 Round Steel Short Link Chains for General Lifting Purposes — Medium Tolerance Sling Chains for Chain Slings — Grade 8 (First Revision)	आई एस / आई एस ओ 3076: 2012 राउंड स्टील शॉर्ट लिंक चेन जनरल उठाने के उद्देश्य के लिए – चेन स्लिंग के लिए मध्यम सहिष्णुता स्लिंग चेन – ग्रेड 8 (प्रथम संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 3076 : 1984 Short Link Chain for Lifting Purposes — Grade T (8), Non—Calibrated, for Chain Slings etc.	आई एस / आई एस ओ 3076: 1984 शॉर्ट लिफ्टिंग चेन फॉर लिफ्टिंग पर्पस – ग्रेड टी (8), नॉन-कैलिब्रेटेड, स्लिपिंग आदि के लिए।
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8470 : 2018/ISO 3394 : 2012 Packaging — Complete, Filled Transport Packages and Unit Loads — Dimensions of Rigid Rectangular Packages (Second Revision)	आई एस 8470: 2018 आई एस ओ 3394: 2012 पैकेजिंग – पूर्ण, भरा हुआ परिवहन पैकेज और यूनिट लोड – कठोर आयताकार पैकेज का आयाम (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 8470 : 1999 Transport Packages — Dimensions of Rigid Rectangular Packages (First Revision)	आई एस 8470: 1999 ट्रांसपोर्ट पैकेज – कठोर आयताकार पैकेज का आयाम (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10891 (Part 2) : 2018 Specification for Steel Wire Ropes for Aerial Ropeways Part 2 Track Ropes (First Revision)	आई एस 10891 (भाग 2): 2018 हवाई रस्सी के लिए स्टील वायर रोप की विशिष्टता भाग 2 ट्रैक रोप्स (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 10891 (Part 2) : 1986 Specification for Steel Wire Ropes for Aerial Ropeways Part 2 Track Ropes	आई एस 10891 (भाग 2): 1986 हवाई तारों के लिए स्टील वायर रोप्स के लिए स्पेसिफिकेशन पार्ट 2 ट्रैक रोप्स
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12521 : 2018/ISO 6788 : 1997 Assembly Tool for Screws and Nuts — Four-Way Socket Wrenches — Dimensions and Torque Test (First Revision)	आई एस 12521: 2018 आई एस ओ 6788: 1997 असेंबली टूल फॉर स्क्रू एंड नट्स – फोर-वे सॉकेट रिव – आयाम और टॉर्क टेस्ट (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 12521 : 1988 Specification for Cross Rim Wrenches	आई एस 12521: 1988 क्रॉस रिम रिव के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13450 (Part 2/Sec 1) : 2018/IEC 60601-2-1 : 2009 Medical Electrical Equipment Part 2 Particular Requirements for the Basic Safety and Essential Performance Section 1 Electron accelerators in the range 1 MeV to 50 MeV (First Revision)	आई एस 13450 (भाग 2 / सेक 1): 2018 / आई ई सी 60601-2-1: 2009 चिकित्सा विद्युत उपकरण भाग 2 बुनियादी सुरक्षा और आवश्यक प्रदर्शन के लिए विशेष आवश्यकताओं खंड 1 इलेक्ट्रॉन त्वरक 1 डमत से 50 डमत (प्रथम संशोधन) में
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13450 (Part 2/Sec 1) : 2007/IEC 60601-2-1 : 1998 Medical Electrical Equipment Part 2 Particular Requirements for the Basic Safety and Essential Performance Section 1 Electron accelerators in the range 1 MeV to 50 MeV	आई एस 13450 (भाग 2 / सेक 1): 2007 / आई ई सी 60601-2-1: 1998 चिकित्सा विद्युत उपकरण भाग 2 बुनियादी सुरक्षा और आवश्यक प्रदर्शन के लिए विशेष आवश्यकताओं खंड 1 इलेक्ट्रॉन त्वरक 1 डमत से 50 डमत की सीमा में
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13610 : 2018/ISO 8979 : 2004 Pliers and Nippers for Electronics — Nomenclature (First Revision)	आई एस 13610: 2018 / आई एस ओ 8979: 2004 इलेक्ट्रॉनिक्स और इलेक्ट्रॉनिक्स के लिए नामकरण – नामकरण (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13610 : 2018/ISO 8979 : 2004 Electronics Pliers and Nippers — Nomenclature	आई एस 13610: 2018 / आई एस ओ 8979: 2004 इलेक्ट्रॉनिक्स प्लायर्स और निपर्स – नामकरण
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16013 : 2018 Welded Wire Gabions (Metallic-Coated or Metallic-Coated With PVC Coating) — Specification (First Revision)	आई एस 16013: 2018 वेल्डेड वायर गेबियन (धातु-लेपित या धातु-लेपित पीवीसी कोटिंग के साथ) – विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 16013 : 2012 Welded Wire Gabions (Metallic-Coated or Metallic-Coated With PVC Coating) — Specification	आई एस 16013: 2012 वेल्डेड वायर गेबियन (धातु-लेपित या धातु-लेपित पीवीसी कोटिंग के साथ) – विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16644 : 2018 Stress-Relieved, Low Relaxation Steel Wire for Prestressed Concrete — Specification	आई एस 16644: 2018 तनाव-रहत मिली, प्रेस्ट्रीज कंक्रीट के लिए कम रिलेक्सेशन स्टील वायर – विशिष्टता
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16735 : 2018 Cylinders for on-Board Storage of Compressed Gaseous Hydrogen and Hydrogen Blends as a Fuel for Automotive Vehicles — Specification	आई एस 16735: 2018 मोटर वाहन के लिए ईंधन के रूप में मिश्रित गैसीय हाइड्रोजन और हाइड्रोजन मिश्रणों के ऑन-बोर्ड भंडारण के लिए सिर्लेइजर – विशिष्टता
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16762 : 2018/ISO 6289 : 2003 Skis — Vocabulary	आई एस 16762: 2018/ आई एस ओ 6289: 2003 स्की – शब्दावली
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

NEWS YOU CAN USE

MANAGEMENT SYSTEM CERTIFICATION

During the period, 08 new licence were granted and 21 licence were cancelled/ expired, thereby bringing the number of operative licences to 1252 under the Management System Certification Schemes. As on 25 December 2018, 26 Integrated Management Certification for Hazard Analysis & Critical Control Points (HACCP) and Quality Management System are in operation. Besides, one standalone licences for HACCP are also in operation.



No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16790 : 2018/ISO 11799 : 2015 Information and Documentation – Document Storage Requirements for Archive and Library Materials	आई एस 16790: 2018 / आई एस ओ 11799: 2015 सूचना और प्रलेखन – पुरालेख और पुस्तकालय सामग्री के लिए दस्तावेज संग्रहण आवश्यकताएँ
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16855 (Part 1): 2018/ IEC 62689-1: 2016 Current and Voltage Sensors or Detectors, to be used for Fault Passage Indication Purposes Part 1 General Principles and Requirements	आई एस 16855 (भाग 1): 2018 / आई ई सी 62689-1: 2016 वर्तमान और वोल्ट सेंसरों या डिटेक्टरों का उपयोग, फॉल्ट पैसेज इंडिकेशन के लिए किया जाता है, भाग 1 सामान्य सिद्धांत और आवश्यकताएं
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 21549-6 : 2008 Health Informatics — Patient Healthcard Data Part 6 Administrative Data	आई एस / आई एस ओ 21549-6: 2008 स्वास्थ्य सूचना विज्ञान – रोगी हेल्थकार्ड डेटा भाग 6 प्रशासनिक डेटा
Date Of Establishment संशोधन की संख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1448 (P : 25/Sec 1): 2018/ISO 3104 : 1994 Methods of Test for Petroleum and its Products [P : 25] Transparent And Opaque Liquids Section 1 Determination of Kinematic Viscosity and Calculation of Dynamic Viscosity (Second Revision)	आई एस 1448 (पी 25/सेक 1): 2018 / आई एस ओ 3104: 1994 पेट्रोलियम और उसके उत्पादों के लिए परीक्षण के तरीके [पी:25] पारदर्शी और अपारदर्शी तरल पदार्थ धारा 1 गतिमान चिपचिपापन और गतिशील विस्कोसिटी की गणना का निर्धारण (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1448 [P : 25]: 1976 Methods of Test for Petroleum and its Products [P : 25] Determination of Kinematic and Dynamic Viscosity (First Revision)	आई एस 1448 (पी 25/सेक 1): 1976 पेट्रोलियम और उसके उत्पादों के लिए परीक्षण के तरीके [पी:25] काइनेमैटिक और डायनेमिक विस्कोसिटी का निर्धारण (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018

NEWS YOU CAN USE

HALLMARKING CERTIFICATION

During the month of December 2018, 476 licences for Hallmarking of gold and 39 licences for Hallmarking of silver were granted, whereas 228 licences for Hallmarking of gold, 21 licence for silver were cancelled/expired. Total number of operative licences under this scheme as on 25 December 2018 stood at 23588 and 1911 for gold and silver respectively. During the month, 19 Assaying & Hallmarking centre were recognized. As on 25 December 2018, 757 Assaying and Hallmarking centres recognized by BIS, were in operation.



No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1448 [P : 169] : 2018/ISO 15597 : 2001 Methods of Test for Petroleum and its Products [P : 169] Determination of Chlorine and Bromide Content – Wavelength-Dispersive X-Ray Fluorescence Spectrometry	आई एस 1448 पी 169; 2018 /आई एस ओ 15597: 2001 पेट्रोलियम और उसके उत्पादों के लिए टेस्ट के तरीके [पी:169] क्लोरीन और ब्रोमाइड सामग्री का निर्धारण – तरंगदैर्घ्य-डिस्पर्सिव एक्स-रे प्रतिदीप्ति क्रोमेट्री
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 3028 (Part 3) : 2018 Automotive Vehicles — Noise Emitted by Moving Vehicles — Specification and Method of Measurement Part 3 L5 Category	आई एस 3028 (भाग 3): 2018 ऑटोमोटिव वाहन – बढ़ते वाहनों द्वारा उत्सर्जित शोर – मापन की विधि और विशिष्टता भाग 3 एल 5 श्रेणी
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 6742-2 : 2015 Cycles — Lighting and Retro-Reflective Devices Part 2 Retro-Reflective Devices (First Revision)	आई एस / आई एस ओ 6742-2: 2015 साइकिल – प्रकाश और रेट्रो-रिफ्लेक्टिव डिवाइसेस पार्ट 2 रेट्रो-रिफ्लेक्टिव डिवाइसेस (फर्स्ट रिविजन)
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 6742-2 : 1985 Cycles — Lighting and Retro-Reflective Devices Photometric and Physical Requirements Part 2 Retro-Reflective Devices	आई एस / आई एस ओ 6742-2: 1985 साइकिल – प्रकाश और रेट्रो-रिफ्लेक्टिव डिवाइसेस फोटोमेट्रिक और भौतिक आवश्यकताएं पार्ट 2 रेट्रो-रिफ्लेक्टिव डिवाइसेस
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 10079-2 : 2014 Medical Suction Equipment Part 2 Manually Powered Suction Equipment (First Revision)	आई एस / आई एस ओ 10079-2: 2014 मेडिकल सक्शन उपकरण भाग 2 मैन्युअल रूप से संचालित सक्शन उपकरण (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 10079-2 : 1999 Medical Suction Equipment Part 2 Manually Powered Suction Equipment	आई एस / आई एस ओ 10079-2: 1999 चिकित्सा सक्शन उपकरण भाग 2 मैन्युअल रूप से संचालित सक्शन उपकरण
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10804 (Part 2) : 2018 Recommended Pumping Systems for Agricultural Purposes Part 2 Submersible Pump Sets (Third Revision)	आई एस 10804 (भाग 2): 2018 कृषि प्रयोजनों के लिए अनुशंसित पम्पिंग सिस्टम भाग 2 सबमर्सिबल पंप सेट (तीसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 10804 : 1994 Recommended Pumping Systems for Agricultural Purposes (Second Revision)	आई एस 10804: 1994 कृषि उद्देश्यों के लिए अनुशंसित पम्पिंग सिस्टम (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 11561 : 2018 Code of Practice for Testing of Water Cooling Towers (First Revision)	आई एस 11561: 2018 जल शीतलन टावर्स के परीक्षण के लिए अभ्यास संहिता (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 11561 : 1986 Practice for Testing of Water Cooling Towers	आई एस 11561: 1986 वाटर कूलिंग टावर्स के परीक्षण के लिए अभ्यास
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 11607-1 : 2006 Packaging for Terminally Sterilized Medical Devices Part 1 Requirements for Materials, Sterile Barrier Systems and Packing Systems	आई एस / आई एस ओ 11607-1: 2006 पैकेजिंग के लिए टर्मिनैटली स्टरलाइज्ड मेडिकल डिवाइस पार्ट 1 मटेरियल, स्टेराइल बैरियर सिस्टम और पैकिंग सिस्टम की आवश्यकताएं
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12375 (Part 2) : 2018/ISO 7206-2 : 2011 Implants for Surgery – Partial and Total Hip Joint Prostheses Part 2 Articulating Surfaces Made of Metallic, Ceramic and Plastics Materials (First Revision)	आई एस 12375 (भाग 2): 2018 / आई एस ओ 7206-2: 2011 सर्जरी के लिए प्रत्यारोपण – आंशिक और कुल हिप संयुक्त प्रोस्टेसिस भाग 2 धातुई, सिरेमिक और प्लास्टिक सामग्री (पहले संशोधन) से बने कलात्मक सतहों
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 12375 (Part 2) : 1993 ISO 7206-2 1987 Implants for Surgery – Partial and Total Hip Joint Prostheses Part 2 Bearing Surfaces Made of Metallic and Plastic Materials	आई एस 12375 (भाग 2): 1993 आई एस ओ 7206-2 1987 सर्जरी के लिए प्रत्यारोपण – आंशिक और कुल हिप संयुक्त प्रोस्टेसिस भाग 2 असर धातु और प्लास्टिक सामग्री से बना है
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13450 (Part 2/Sec 20) : 2018/IEC 60601-2-20 : 2009 Medical Electrical Equipment Part 2 Particular Requirements for the Basic Safety and Essential Performance Section 20 Infant Transport Incubators	आई एस 13450 (भाग 2 / सेक 20): 2018/ आई ई सी 60601-2-20: 2009 चिकित्सा विद्युत उपकरण भाग 2 बुनियादी सुरक्षा और आवश्यक प्रदर्शन के लिए विशेष आवश्यकताओं धारा 20 शिशु परिवहन इनक्यूबेटर
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14363 : 2018/ ISO 11243 : 2016 Cycles — Luggage Carriers for Bicycles — Requirements and Test Methods (Second Revision)	आई एस 14363: 2018 / आई एस ओ 11243: 2016 साइकिल – सामान के लिए सामान वाहक – आवश्यकताएँ और परीक्षण विधियाँ (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 14363 : 2009/ISO 11243 : 1994 Cycles — Luggage Carriers for Bicycles — Concepts, Classification and T esting (First Revision)	आई एस 14363: 2009 / आई एस ओ 11243: 1994 साइकिल – सामान के लिए सामान वाहक – अवधारणा, वर्गीकरण और टे एस्टिंग (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 4/Sec 17) : 2018/IEC 61000-4-17: 2009 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 17 Ripple on d.c. Input Power Port Immunity Test	आई एस 14700 (भाग 4 / सेक 17): 2018 / आई ई सी 61000-4-17: 2009 विद्युत चुम्बकीय संगतता (ईएमसी) भाग 4 परीक्षण और मापन तकनीक धारा 17 त्वचचसम वद डी.सी. इनपुट पावर पोर्ट इम्युनिटी टेस्ट
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15059 : 2018/ IEC 60942 : 2003 Electroacoustics – Sound Calibrators (First Revision))	आई एस 15059: 2018 / आई ई सी 60942: 2003 इलेक्ट्रोकेप्टिक्स – ध्वनि अंशशोधक (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15059 : 2001 IEC 60942 : 1997 Electroacoustics – Sound Calibrators	आई एस 15059: 2001/ आई ई सी 60942: 1997 इलेक्ट्रोकेप्टिक्स – ध्वनि अंशशोधक
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15474 (Part 3/Sec 2) : 2018/IEC 60300-3-2 : 2004 Dependability Management Part 3 Application Guide Section 2 Collection of Dependability Data from the field	आई एस 15474 (भाग 3 / सेक 2): 2018 / आई ई सी 60300- 3-2: 2004 निर्भरता प्रबंधन भाग 3 अनुप्रयोग गाइड धारा 2 क्षेत्र से निर्भरता डेटा का संग्रह
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

NEWS YOU CAN USE

CONSUMER AFFAIRS & TRAINING

During December 2018, 28 consumer awareness programme was organized at NRO, ERO, WRO, SRO & CRO. A total of 3652 consumers/ participants attended this programme. During the month, 22 grievances/complaints regarding Product Certification were received and 31 grievances /complaints were closed. During the month, 19 training programs for industry and 08 programmes for BIS officials involving 408 participants were conducted by National Institute of Training for Standardization (NITS), Noida.



No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15474 (Part 3/Sec 5) : 2018/IEC 60300- 3-5 : 2001 Dependability Management Part 3 Application Guide Section 5 Reliability Test Conditions and Statistical Test Principles	आई एस 15474 (भाग 3 / सेक 5): 2018 / आई ई सी 60300- 3-5: 2001 निर्भरता प्रबंधन भाग 3 आवेदन गाइड धारा 5 विश्वसनीयता परीक्षण की स्थिति और सांख्यिकीय परीक्षण सिद्धांत
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15474 (Part 3/Sec 10) : 2018/IEC 60300-3-10 : 2001 Dependability Management Part 3 Application Guide Section 10 Maintainability	आई एस 15474 (भाग 3 / सेक 10): 2018 / आई ई सी 60300-3-10: 2001 निर्भरता प्रबंधन भाग 3 आवेदन गाइड धारा 10 रखरखाव
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15533 : 2018/ISO 8098 : 2014 Cycles — Safety Requirements for Bicycles for Young Children (First Revision)	आई एस 15533रू 2018/ आई एस ओ 8098: 2014 साइकिल – युवा बच्चों के लिए साइकिल के लिए सुरक्षा आवश्यकताएँ (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15533 : 2004/ISO 8098 : 2002 Cycles — Safety Requirements for Bicycles for Young Children	आई एस 15533: 2004 / आई एस ओ 8098रू 2002 साइकिल – युवा बच्चों के लिए साइकिल की सुरक्षा आवश्यकताएँ
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15895 : 2018 High Alumina Refractory Cement — Specification (First Revision)	आई एस 15895: 2018 उच्च एल्यूमिना दुर्दम्य सीमेंट – विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15895 : 2011 High Alumina Refractory Cement — Specification	आई एस 15895: 2011 उच्च एल्यूमिना दुर्दम्य सीमेंट – विशिष्टता
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16678 (Part 3) : 2018/ISO 5149-3 : 2014 Refrigerating Systems and Heat Pumps – Safety and Environmental Requirements Part 3 Insatallation Site	आई एस 16678 (भाग 3): 2018 / आई एस ओ 5149-3: 2014 रेफ्रिजरेटिंग सिस्टम और हीट पंप – सुरक्षा और पर्यावरण संबंधी आवश्यकताएं भाग 3 पूंक्करण साइट
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 660 : 1963 Safety Code for Mechanical Refrigeration	आई एस 660: 1963 मैकेनिकल रेफ्रिजरेशन के लिए सुरक्षा कोड
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16704 : 2018/ISO 16861 : 2015 Petroleum Products – Fuels (Class F) – Specifications of Dimethyl Ether (DME)	आई एस 16704: 2018 / आई एस ओ 16861: 2015 पेट्रोलियम उत्पाद – ईंधन (कक्षा एफ) – डाइमेथाइल ईथर (डीएमई) के विनिर्देशों
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16761 : 2018/ISO 24510 : 2007 Activities Relating to Drinking Water and Wastewater Services – Guidelines for the Assessment and for the Improvement of the Service to Users	आई एस 16761: 2018 / आई एस ओ 24510: 2007 पेय और अपशिष्ट जल सेवाओं से संबंधित गतिविधियाँ – मूल्यांकन के लिए दिशानिर्देश और उपयोगकर्ताओं को सेवा में सुधार के लिए
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 21549-6 : 2008 Health Informatics — Patient Healthcard Data Part 6 Administrative Data	आई एस / आई एस ओ 21549-6: 2008 स्वास्थ्य सूचना विज्ञान – रोगी हेल्थकार्ड डेटा भाग 6 प्रशासनिक डेटा
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 22600-1 : 2014 Health Informatics — Privilege Management and Access Control Part 1 Overview and Policy Management	आई एस / आई एस ओ 22600-1: 2014 स्वास्थ्य सूचना विज्ञान – विशेषाधिकार प्रबंधन और अभिगम नियंत्रण भाग 1 अवलोकन और नीति प्रबंधन
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO/TR 22971 : 2005 Accuracy (Trueness and Precision) of Measurement Methods and Results — Practical Guidance for the use of ISO 5725-2 : 1994 in Designing, Implementing and Statistically Analysing Interlaboratory Repeatability and Reproducibility Results	आई एस / आई एस ओ / टी एस 22971: 2005 मापन के तरीके और परिणाम की सटीकता (ट्रुनेस एंड प्रिसिजन) – आईएसओ 5725-2 के उपयोग के लिए ब्यावहारिक मार्गदर्शनरू 1994 में डिजाईनिंग, कार्यान्वयन और सांख्यिकीय विश्लेषण इंटरलाबरी रिपेबिलिटी और रीप्रोड्यूसिबिलिटी परिणाम
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO/TS 25238 : 2007 Health Informatics — Classification of Safety Risks From Health Software	आई एस / आई एस ओ / टी एस 25238: 2007 स्वास्थ्य सूचना विज्ञान – स्वास्थ्य सॉफ्टवेयर से सुरक्षा जोखिम का वर्गीकरण
Date Of Establishment संशोधन की संख्या और तिथी	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 27789 : 2013 Health Informatics — Audit Trails for Electronic Health Records	आई एस / आई एस ओ 27789: 2013 स्वास्थ्य सूचना विज्ञान – इलेक्ट्रॉनिक स्वास्थ्य रिकॉर्ड के लिए ऑडिट ट्रेल्स
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 60335-2-89 : 2010 Household and Similar Electrical Appliances – Safety Part 2-89 : Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor	आई एस / आई ई सी 60335-2-89: 2010 घरेलू और इसी तरह के विद्युत उपकरण – सुरक्षा भाग 2-89: एक शामिल या दूरस्थ सर्द इकाई या कंप्रेसर के साथ वाणिज्यिक रेफ्रिजरेटिंग उपकरणों के लिए विशेष आवश्यकताएं
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 60958-4-1 : 2016 Digital Audio Interface Part 4 Professional Applications Section 1 Audio Content	आई एस / आई ई सी 60958-4-1: 2016 डिजिटल ऑडियो इंटरफेस भाग 4 व्यावसायिक अनुप्रयोग अनुभाग 1 ऑडियो सामग्री
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/IEC 60958-4 : 2003 Digital Audio Interface Part 4 Professional Applications (TA4)	आई एस / आई ई सी 60958-4: 2003 डिजिटल ऑडियो इंटरफेस भाग 4 व्यावसायिक अनुप्रयोग (टीए4)
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 60990 : 2016 Methods of Measurement of Touch Current and Protective Conductor Current (First Revision)	आई एस / आई ई सी 60990: 2016 टच करंट और प्रोटेक्टिव कंडक्टर करंट के मापन के तरीके (प्रथम संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/IEC 60990 : 1999 Methods of Measurement of Touch Current and Protective Conductor Current	आई एस / आई ई सी 60990: 1999 टच करंट और प्रोटेक्टिव कंडक्टर करंट के मापन के तरीके
Date Of Cancellation रद्द होने की तिथि	9 May 2018	9 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 62623 : 2012 Desktop and Notebook Computers — Measurement of Energy Consumption	आई एस / आई ई सी 62623: 2012 डेस्कटॉप और नोटबुक कंप्यूटर – ऊर्जा खपत का मापन
Date Of Establishment संशोधन की संख्या और तिथि	9 May 2018	9 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 7904 : 2018 High Carbon Steel Wire Rods — Specification (Second Revision)	आई एस 7904: 2018 हाई कार्बन स्टील वायर रॉड्स – विशिष्टता (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 7904 : 1995 High Carbon Steel Wire Rods — Specifi- cation (First Revision)	आई एस 7904: 1995 हाई कार्बन स्टील वायर रॉड्स – स्पेसिफिकेशन (प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 4117 : 2008 Alcohol Denaturants — Specification (Second Revision)	आई एस 4117:2008 में अल्कोहल डेनायंटेंट – विशिष्टता (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 April 2018	संशोधन संख्या 2 अप्रैल 2018
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 6403 : 1981 Code of Practice for Determination of Bearing Capacity of Shallow Foundations (First Revision)	आई एस 6403: 1981 शैलो फाउंडेशन की असर क्षमता के निर्धारण के लिए अभ्यास की संहिता (पहला संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 April 2018	संशोधन संख्या 2 अप्रैल 2018
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 105-D01: 2010 Textiles – Tests for Colour Fastness Part D01 Colour Fastness to Drycleaning Using Perchloroethylene Solvent	आई एस / आई एस ओ 105-डी 01: 2010 टेक्सटाइल्स – टेस्ट फॉर कलर फास्टनेस पार्ट व01 कलर फास्टनेस टू ड्राईक्लीनिंग पर्क्लोथिलीन सॉल्वेंट का उपयोग
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 762 : 1988 Method for Determination of Colour Fastness of Textile Materials to Hypochlorite Bleaching (First Revision)	आई एस 762: 1988 हाइपोक्लोराइट विरंजन (पहले संशोधन) के लिए वस्त्र सामग्री के रंग स्थिरता के निर्धारण के लिए विधि
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 762 : 1988 Method for Determination of Colour Fastness of Textile Materials to Hypochlorite Bleaching (First Revision)	आई एस 762: 1988 हाइपोक्लोराइट विरंजन (पहले संशोधन) के लिए वस्त्र सामग्री के रंग स्थिरता के निर्धारण के लिए विधि
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 105-X02 : 1993 Textiles – Tests for Colour Fastness Part X02 Colour Fastness to Carbonizing : Sulfuric Acid	आई एस/ आई एस ओ 105-एक्स 02: 1993 टेक्सटाइल्स – टेस्ट फॉर कलर फास्टनेस पार्ट एक्स02 कलर फास्टनेस टू कार्बोनाइजिंग – सल्फ्यूरिक एसिड
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 973 : 1988 Method for Determination of Colour Fastness of Textile Materials to Soda Boiling (First Revision)	आई एस 973: 1988 सोडा उबालने के लिए वस्त्र सामग्री के रंग की स्थिरता के निर्धारण के लिए विधि (प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018

NEWS YOU CAN USE

SMART CITY STANDARDIZATION

At the BIS-IEC International Conference on Smart City Standardization held in Varanasi on December 10, 2018, discussions were held on the need for smart city standards. The conference was successfully concluded emphasizing the need for comprehensive set of standards for the efficient and successful implementation of Smart city projects. The conference was attended by the officers of the Electronics & Information Technology Department of the Bureau of Indian Standards (BIS).



No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1365 : 2018/ISO 2009 : 2011 Slotted Countersunk Flat Head Screws – Product Grade A (Fifth Revision)	आई एस 1365: 2018 / आई एस ओ 2009: 2011 स्लैटेड काउंटेर्संक फ्लैट हेड स्क्रू – उत्पाद ग्रेड ए (पांचवां संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1365 : 2005/ISO 2009 : 1994 Slotted Countersunk Flat Head Screws (Common Head Style) – Product Grade A (Fourth Revision)	आई एस 1365: 2005/ आई एस ओ 2009:1994 स्लैटेड काउंटेर्संक फ्लैट हेड स्क्रू (कॉमन हेड स्टाइल) – उत्पाद ग्रेड ए (चौथा संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 1754 : 2010 Photography – Cameras Using 35 mm Film and Roll Film – Dimensions of Picture Sizes	आई एस / आई एस ओ 1754: 2010 फोटोग्राफी – कैमरा 35 मिमी फिल्म और रोल फिल्म का उपयोग – चित्र आकार का आयाम
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 10906 : 1992/ ISO 1754 : 1986 Photography – Cameras Using 35 mm and 16 mm Film – Picture Sizes (First Revision)	आई एस 10906: 1992 / आई एस ओ 1754: 1986 फोटोग्राफी – कैमरा 35 मिमी और 16 मिमी फिल्म का उपयोग करना – चित्र आकार (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9438 : 2018 Performance Requirements and Methods of Tests for Wheels/Rims for Trucks and Buses (First Revision)	आई एस 9438: 2018 ट्रकों और बसों के लिए टेस्ट की आवश्यकताएं और तरीके (प्रथम संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 9438 : 1980 Performance Requirements and Methods of Tests for Wheels/Rims for Trucks and Buses	आई एस 9438: 1980 प्रदर्शन आवश्यकताएं और ट्रक और बसों के लिए पहियों के लिए टेस्ट के तरीके
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 10993-14 : 2001 Biological Evaluation of Medical Devices Part 14 Identification and Quantification of Degradation Products from Ceramics	आई एस / आई एस ओ 10993-14: 2001 चिकित्सा उपकरणों का जैविक मूल्यांकन भाग 14
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12295 : 2018/ISO 3875 : 2004 Machine Tools – Test Conditions for External Cylindrical Centreless Grinding Machines – Testing of the Accuracy (Second Revision)	आई एस 12295: 2018 / आई एस ओ 3875: 2004 मशीन टूल्स – बाहरी बेलनाकार ब्दजतमसमे पीसने वाली मशीनों के लिए परीक्षण की स्थिति – सटीकता का परीक्षण (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 12295 : 2000/ ISO 3875 : 1990 Acceptance – Conditions for External Cylindrical Centreless Grinding Machines – Testing of the Accuracy (First Revision)	आई एस 12295: 2000 / आई एस ओ 3875: 1990 स्वीकृति – बाहरी बेलनाकार ब्दजतमसमे पीस मशीनों के लिए शर्तें – सटीकता का परीक्षण (प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13725 : 2018/ISO 8676 : 2011 Hexagon Head Screws With Metric Fine Pitch Thread – Product Grades A and B (Second Revision)	आई एस 13725: 2018 / आई एस ओ 8676: 2011 हेक्सगोन हेड पेंच थ्रेड मेट्रिक फाइन पिच थ्रेड – प्रोडक्ट ग्रेड ए और बी (दूसरा संशोधन)
Date Of Establishment संशोधन की संख्या और तिथि	19 May 2018	19 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 13725 : 2002/ISO 8676 : 1999 Hexagon Head Screws With Metric Fine Pitch Thread – Product Grades A and B (First Revision)	आई एस 13725: 2002 / आई एस ओ 8676: 1999 हेक्सगोन हेड स्क्रू विथ मेट्रिक फाइन पिच थ्रेड – उत्पाद ग्रेड ए और बी (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 May 2018	19 मई 2018

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The BIS' collection of standards literature is always being supplemented

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NEWS THAT MATTERS

WORKSHOP ON NBC 2016

NATIONAL WORKSHOP ON THE ESSENCE OF THE NBC

The Bureau of Indian Standards organized a national workshop on National Building Code of India 2016 & Revised Seismic Codes jointly with the Institution of Engineers (India), Maharashtra State Centre, Mumbai and the Indian Institute of Technology Bombay, Mumbai on October 4- 5, 2018 in Mumbai that saw the participation of CED. The Workshop was held in IITB, Mumbai. Shri Mohan Dagaonkar, Additional Commissioner, Navi Mumbai Municipal Corporation welcomed the gathering. The Workshop was inaugurated by Prof P.M. Mujumdar, Deputy Director, IITB. Shri Mahim Jain, DDG (Western Region) of BIS, in his address apprised the gathering about the Code and on the various activities of BIS. Shri V. Suresh, Vice-Chairman of the NBC Committee of BIS in his keynote address urged the importance of scrupulous by following the provisions of the National Building Code of India 2016 (NBC 2016) by all the stakeholders involved in building construction and regulation for ensuring a safer and SURAKSHIT BHARAT in line with the development Agenda of the Government of India. In the eight technical sessions,



nine speakers delivered presentations about the essence of the National Building Code, the Earthquake Engineering standards and the recently released Code on Safety of Tall Concrete Buildings. BIS officer gave an 'Overview of NBC 2016'. The workshop was attended by around 350 delegates representing all stakeholders including faculty members and students.

SEMINAR ON ERGONOMICS STANDARDS

SEMINAR ON INDIAN ERGONOMICS STANDARDS ON NEED FOR DATABASE

National Seminar on "Indian Ergonomics Standards — Existing and Needs" was held on September 26, 2018 at Mumbai and saw the participation of the Production and General Engineering Department (PGD) of the Bureau of Indian Standards. Three new organizations came forward to be part of the committee. It was decided that joint meetings with other technical committees is required to develop a national database for anthropometric data of Indian population.



SEMINAR ON INDUSTRY 4.0

A SEMINAR ON SMART MACHINING AND INDUSTRY 4.0 ON THE EXTENT OF DEVELOPMENT IN AUTOMATION

National Seminar on "Smart Machining and Industry 4.0" was held on October 25, 2018 at Chennai that saw the presence of the Electronic and Information Technology Department (LITD) of the Bureau of Indian Standards. Shri Santosh Kumar Mishra (IAS), CEO, Tamil Nadu e-governance agency inaugurated the seminar and announced facilities for MSME DI for development and demonstration of Industry 4.0 technologies. Ten experts gave talks on various topics related to smart machining and Industry 4.0. The major learning was to update the attending MSME organizations about the extent of development in automation and best ways to adopt them. It was also decided to adopt latest ISO standard for cutting tool data to facilitate harmonization in the cutting tools design software.



MEETING ON STANDARDS

INDUSTRY MEET ON PETROLEUM AND RELATED PRODUCTS SECTOR

Philadelphia stood host to the 30th meeting of ISO/TC 28 Petroleum and related products, fuels and lubricants from natural or synthetic sources from September 24-28, 2018. At the meeting attended by the Petroleum, Coal and Related Products Department of BIS, India's comments on four standards were approved and it was decided for revising one standard and issuing amendment to three other standards. India was requested to propose the name of the expert to lead the revision.



FLY ASH UTILIZATION

MEETING OF EXPERT COMMITTEE ON STANDARDS PROMOTING THE UTILIZATION OF FLY ASH

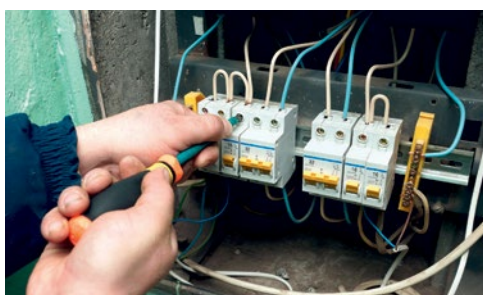
Meeting of Expert Committee constituted by NITI Aayog for effective utilization of fly ash, was organized by the Ministry of Environment, Forest & Climate Change on October 1, 2018, in New Delhi. At the meeting attended by the Civil Engineering Department (CED) of the Bureau of Indian Standards, information about various standards published by BIS promoting the utilization of fly ash was shared and the few projects for which R&D work were currently going on were also elaborated.



MEET ON FUEL POLICY

THE BIO-JET FUEL POLICY
MEET DISCUSS BIOJET FUEL
STANDARDIZATION

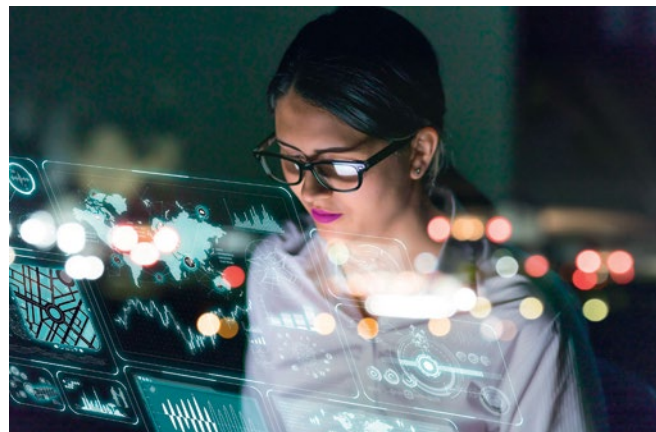
Meeting in relation to Bio-Jet Fuel (Bio-ATF) Policy, was organised by the Ministry of Petroleum and Natural Gas (MoPNG) on October 3, 2018, at New Delhi, and was attended by the Petroleum, Coal and Related Products Department (PCD) of the Bureau of Indian Standards. On the status of biojet fuel standardization, BIS apprised the subject was taken up on priority and is likely to be finalized in the next meeting of the Committee.



WORKSHOP ON ELECTRICAL SAFETY

ELECTRICAL SAFETY AT
WORKPLACE GETS DISCUSSED

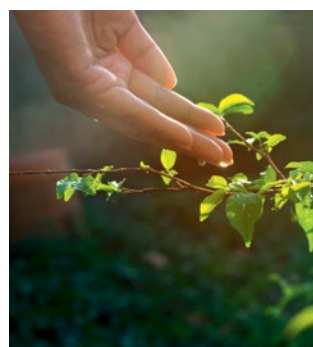
A national workshop on "Electrical Safety at Workplace", was organized by the Central Electricity Authority on October 9, 2018 in New Delhi, and saw the representation of the Civil Engineering Department of the Bureau of Indian Standards (BIS). A lecture was delivered on 'National Building Code of India 2016 – Towards Creation of Safe Electrical Services'.



PLENARY AND WORKING GROUP MEET

NEW WORK ITEM PROPOSAL ON "BUSINESS PROCESS MANAGEMENT DATA ANALYTICS"

The 2nd Plenary and working group meeting of ISO/IEC JTC 1/SC 42 "Artificial Intelligence" was held from October 8-12, 2018, at Sunnyvale, USA and was attended by the Electronics and Information Technology Department (LITD) of the Bureau of Indian Standards. During the meeting, India presented its new work item proposal on "Business Process Management Data Analytics". Working Group 2 "Big Data" was established and India's NWIP along with China's NWIP has been assigned to this group for further study and bringing consensus of national bodies before submission for balloting. India also participated in all the working/study group meetings and work will be continued in e-meetings.



REVIEW MEETING

COMMITTEE OF THE
MOEF&CC MEET ON
ECO MARK SCHEME

First meeting of the committee of Ministry of Environment, Forest and Climate Change (MoEF&CC) to review the Eco mark scheme, scope of operational modalities, organized by MoEF&CC, was held on October 11, 2018 in New Delhi, that saw the participation of Chemicals Department (CHD) of the Bureau of Indian Standards (BIS). Discussions were held on the operational modalities of Eco mark scheme in detail among the members.



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